

Appendix C
Drawings Item 'i'
1924 Constuction Drawings

INDEX TO DRAWINGS

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4	Second Floor Plan
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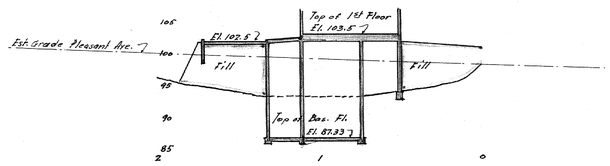
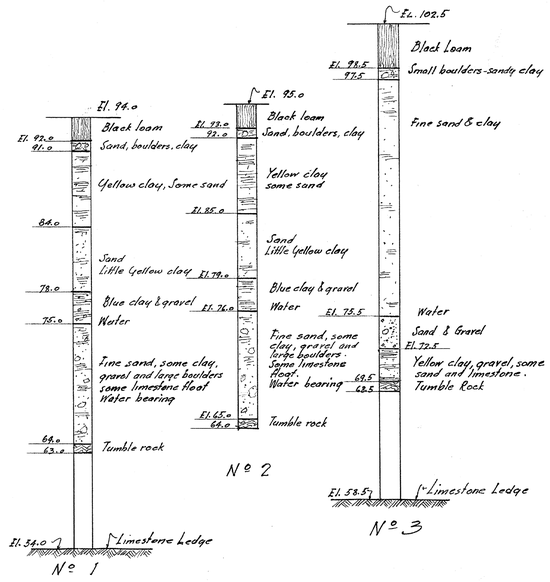
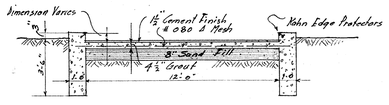


PROFILE AT A

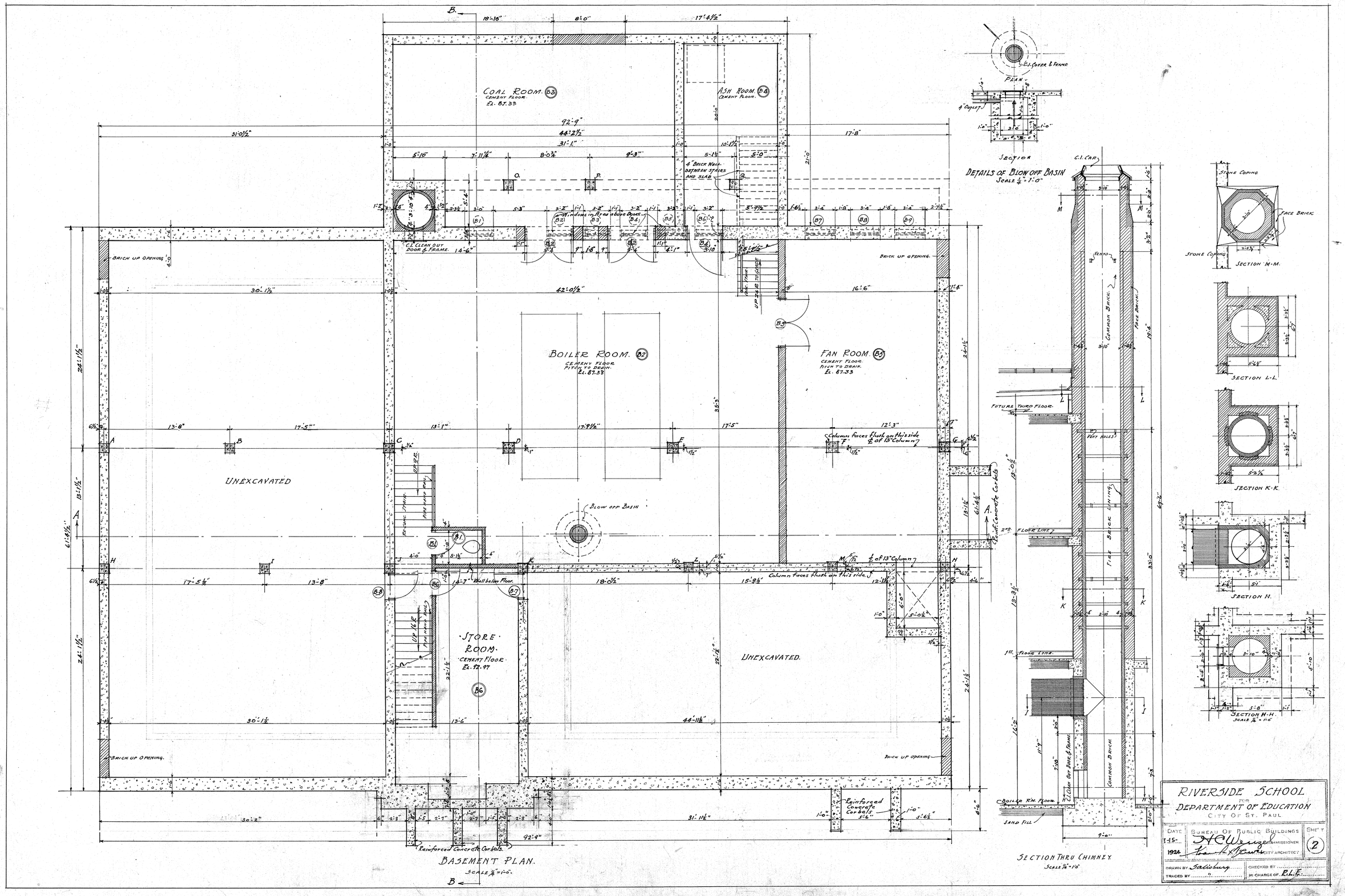


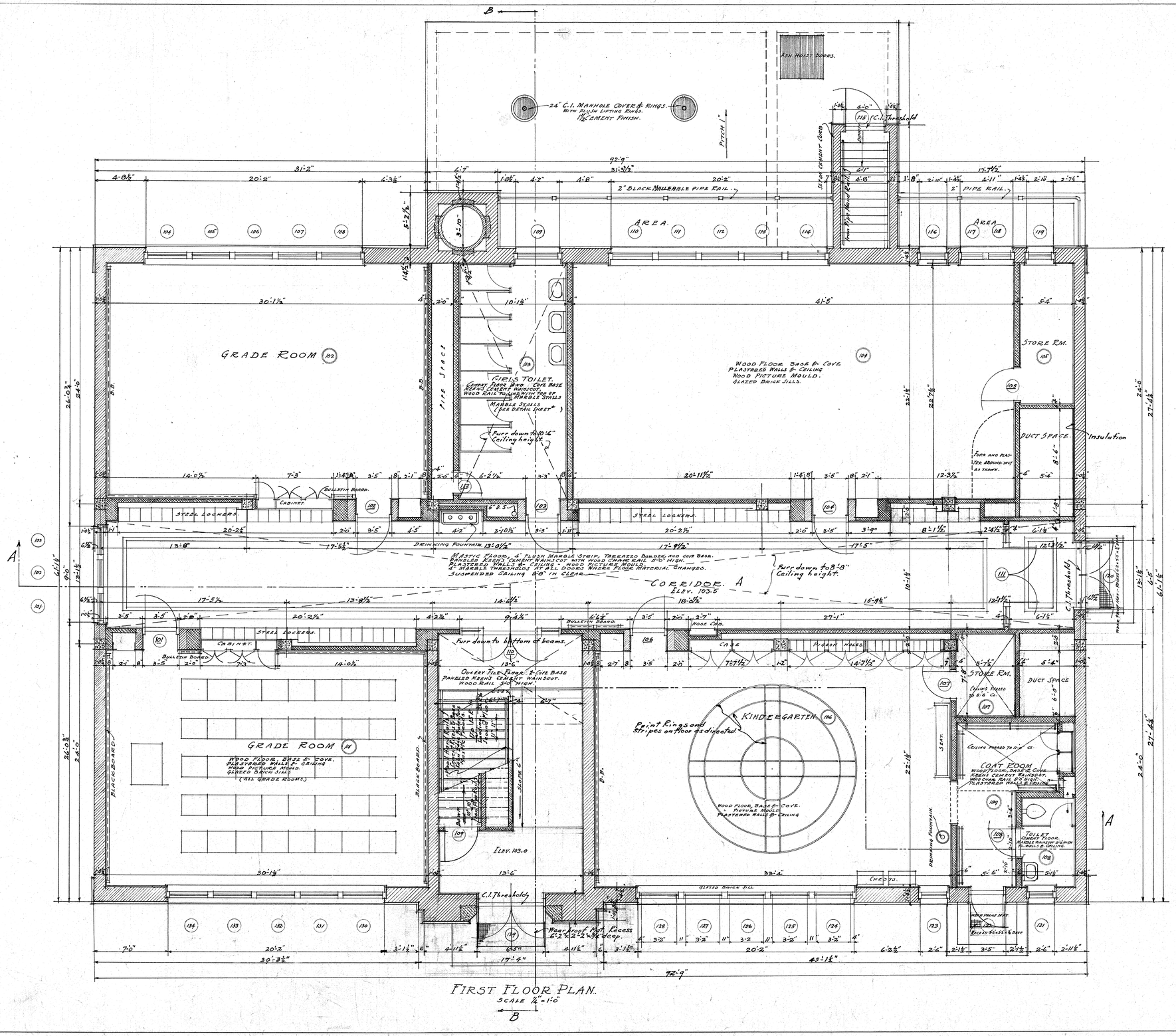
TEST HOLE DIAGRAMS



TYPICAL SECTION THRU CONCRETE DRIVEWAY
SCALE ¼" = 1'-0"

North
PLEASANT AVENUE
El. 106.0
Not Graded
Test Hole No 3
El. 99.2
PLAY GROUND
Graded Area
Concrete Drive
Test Hole No 2
Test Hole No 1
Drain
Flag Staff
Grass Area
Grass
Graded Area
Graded Area
Sewer Manhole
Sewer Manhole
Sewer Manhole


COAL ROOM. B3
CEMENT FLOOR.
EL. 87.33
ASH ROOM. B4
CEMENT FLOOR.
BOILER ROOM. B2
CEMENT FLOOR
PITCH TO DRAIN.
EL. 87.33
FAN ROOM. B5
CEMENT FLOOR.
PITCH TO DRAIN.
EL. 87.33
UNEXCAVATED
STORE ROOM.
CEMENT FLOOR.
EL. 92.97
UNEXCAVATED.
BLOW OFF BASIN
BRICK UP OPENING
C.I. CLEAN OUT DOOR & FRAME.
4" BRICK WALL BETWEEN STAIRS AND SLAB
Windows in Area above Doors
Column faces flush on this side
Reinforced Concrete Corbels
BASEMENT PLAN.
SCALE 1/4" = 1'-0"
DETAILS OF BLOW OFF BASIN
SCALE 1/4" = 1'-0"
PLAN
SECTION
C.I. COVER & FRAME
C.I. CAP
FUTURE THIRD FLOOR
FIRE BRICK LINING
COMMON BRICK
FACE BRICK
BOILER RM. FLOOR
SAND FILL
SECTION THRU CHIMNEY.
SCALE 1/4" = 1'-0"
STONE COPING
SECTION M-M.
SECTION L-L.
SECTION K-K.
SECTION H.
SECTION H-H.
SCALE 1/4" = 1'-0"
RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL
DATE 1-15-1924
BUREAU OF PUBLIC BUILDINGS
COMMISSIONER
CITY ARCHITECT
SHEET 2
DRAWN BY Salisbury
TRACED BY
CHECKED BY
IN CHARGE OF R.L.E.



ROOM SCHEDULE

ROOMS				WINDOWS		
NUMBER	NAME	DIMENSIONS	AREA Sq. Feet	NUMBER	Net Sq. Units Ft.	GLASS
101	GRADE ROOM	22'-0" x 30'-0"	660	130 - 134	135.0	D.S.A.
102	" "	22'-0" x 30'-0"	660	106 - 108	135.0	"
103	GIRLS TOILET	10'-0" x 22'-0"	220	109	22.8	OBSCURE
104		22'-0" x 41'-3 3/4"	908.4	110 - 114 / 116 - 117 - 118	181.8	D.S.A.
105	STORE ROOM	5'-2 1/2" x 13'-2"	68.6	119	15.5	"
106	KINDERGARTEN	22'-0" x 33'-2 1/2"	730.6	123 - 128	150.5	"
107	STORE ROOM	5'-6" x 7'-10 1/2"	43.3	—	—	—
108	TOILET "	5'-0" x 8'-4 1/2"	41.9	121	15.5	OBSCURE
109	CORR "	17'-3" x 8'-2" / 5'-8 1/2" x 9'-0"	106.7	122	20.2	D.S.A.
201	GRADE ROOM	22'-0" x 30'-0"	660	234 - 238	135	D.S.A.
202	" "	22'-0" x 30'-0"	660	209 - 203	135	"
203	BOYS' TOILET	10'-0" x 22'-0"	220	207	22.8	OBSCURE
204	GRADE ROOM	22'-0" x 30'-0"	660	210 - 214	135	D.S.A.
205	JANITORS CLO.	4'-10 1/2" x 4'-10 1/2"	23.5	—	—	—
206	TOILET	4'-10 1/2" x 4'-6 1/2"	22.2	240	3.3	OBSCURE
207	DOCTOR'S OFFICE	14'-6" x 13'-2"	217.3	215 - 218	62.9	D.S.A.
208	CLOSET	2'-10 1/2" x 4'-9"	13.8	—	—	—
209	PRINCIPAL'S OFFICE	14'-4 1/2" x 16'-4 1/2"	235.4	222 - 225	59.5	"
210	TOILET	3'-10" x 4'-9"	18.2	239	5.3	OBSCURE
211	GRADE ROOM	22'-0" x 28'-0"	616	226 - 230	135	D.S.A.
301	TEACHERS ROOM	9'-6 1/2" x 13'-4 1/2"	127.6	331 - 333	20.6	"

DOOR SCHEDULE

NUMBER	TYPE	SIZE	REMARKS
B-1	1	3/4 x 6/6 x 1 3/8	
B-2	1	2/6 x 7/0 x 1 3/4	
B-3	1	3/6 x 7/0 x 1 3/4	
B-4	1	3/6 x 7/0 x 1 3/4	
B-5	1	2/6 x 7/0 x 1 3/4	
B-6	1	2/8 x 6/6 x 1 3/8	
B-7 & 8	2	3/6 x 6/6 x 1 3/4	
101	A	3/0 x 7/0 x 1 3/4	D.S.A. GL.
102	A	Do.	Do.
103	B	2/10 x 7/0 x 1 3/4"	LOUVRE
104	A	3/6 x 7/0 x 1 3/4"	D.S.A. GL.
105	D	Do.	
106	A	Do	D.S.A GL.
107	D	2/6 x 7/0 x 1 3/4	
108	B	2/6 x 7/0 x 1 3/4	LOUVRE
109	D	3/0 x 6/6 x 1 3/4	HOLLOW METAL
110	C	2/6 x 7/0 x 1 3/4	HOLLOW METAL TO REMAIN
111	C	Do	Do
112	E	3/6 x 7/0 x 1 3/8	LOUVRE
115	J	3/8 x 7/6 x 2 1/4	OBSCURE GL.
120		3/6 x 7/0 x 2 1/4	SEE MAIN ENTRANCE DOOR DETAIL
122		3/6 x 7/0 x 2 1/4	SEE DETAIL
129		3/6 x 7/0 x 2 1/4	Do
201	A	3/0 x 7/0 x 1 3/4	D.S.A. GL.
202	A	Do	Do
203	B	2/10 x 7/0 x 1 3/4	LOUVRE
204	A	3/6 x 7/0 x 1 3/4"	
205	E	2/10 x 7/0 x 1 3/4	
206	F	2/6 x 6/6 x 1 3/4	OBSCURE GL.
207	A	3/0 x 7/0 x 1 3/4	Do.
208	E	2/6 x 7/0 x 1 3/4	
209	A	3/0 x 7/0 x 1 3/4	D.S.A. GL.
210	F	2/6 x 6/6 x 1 3/4	OBSCURE GL.
211	A	3/0 x 7/0 x 1 3/4	D.S.A. GL.
212	E	2/0 x 7/0 x 1 3/8	LOUVRE
213	C	2/6 x 7/0 x 1 3/8	HOLLOW METAL
301	A	3/0 x 7/0 x 1 3/8	OBSCURE GL.

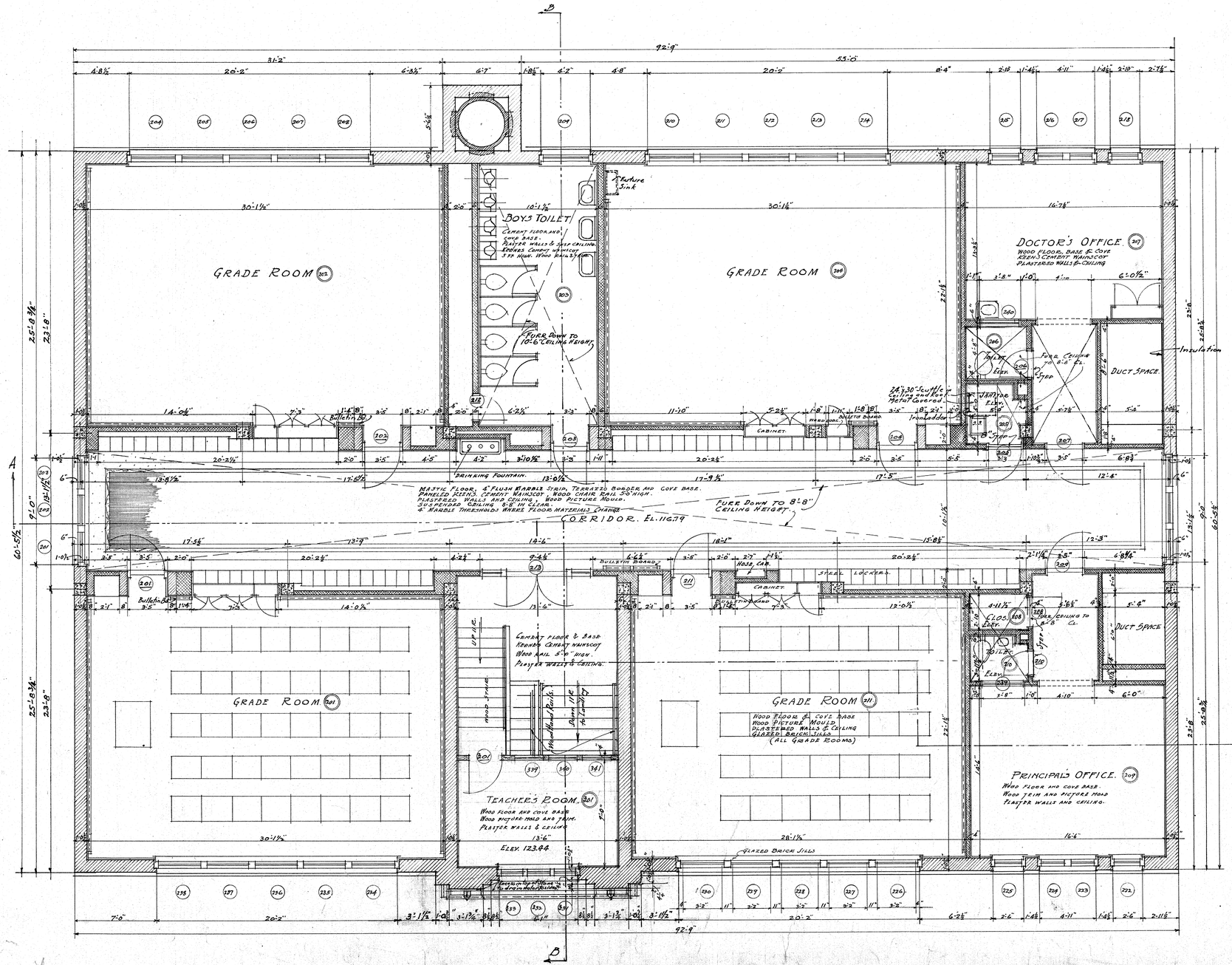
RIVERSIDE SCHOOL

FOR

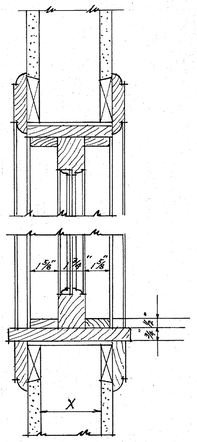
DEPARTMENT OF EDUCATION

CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1-15-1924	S. H. Wenzel, COMMISSIONER Frank L. Slade, CITY ARCHITECT	3
DRAWN BY Takeberry	CHECKED BY	
TRACED BY "	IN CHARGE OF R.L.E.	



SECOND FLOOR PLAN.
SCALE 1/4" = 1'-0"



NOTE: FOR DIMENSION X, SEE FLOOR PLAN

DETAIL OF FIXED SASH
WINDOWS 239, 240, 339, 340 & 341.

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FOR
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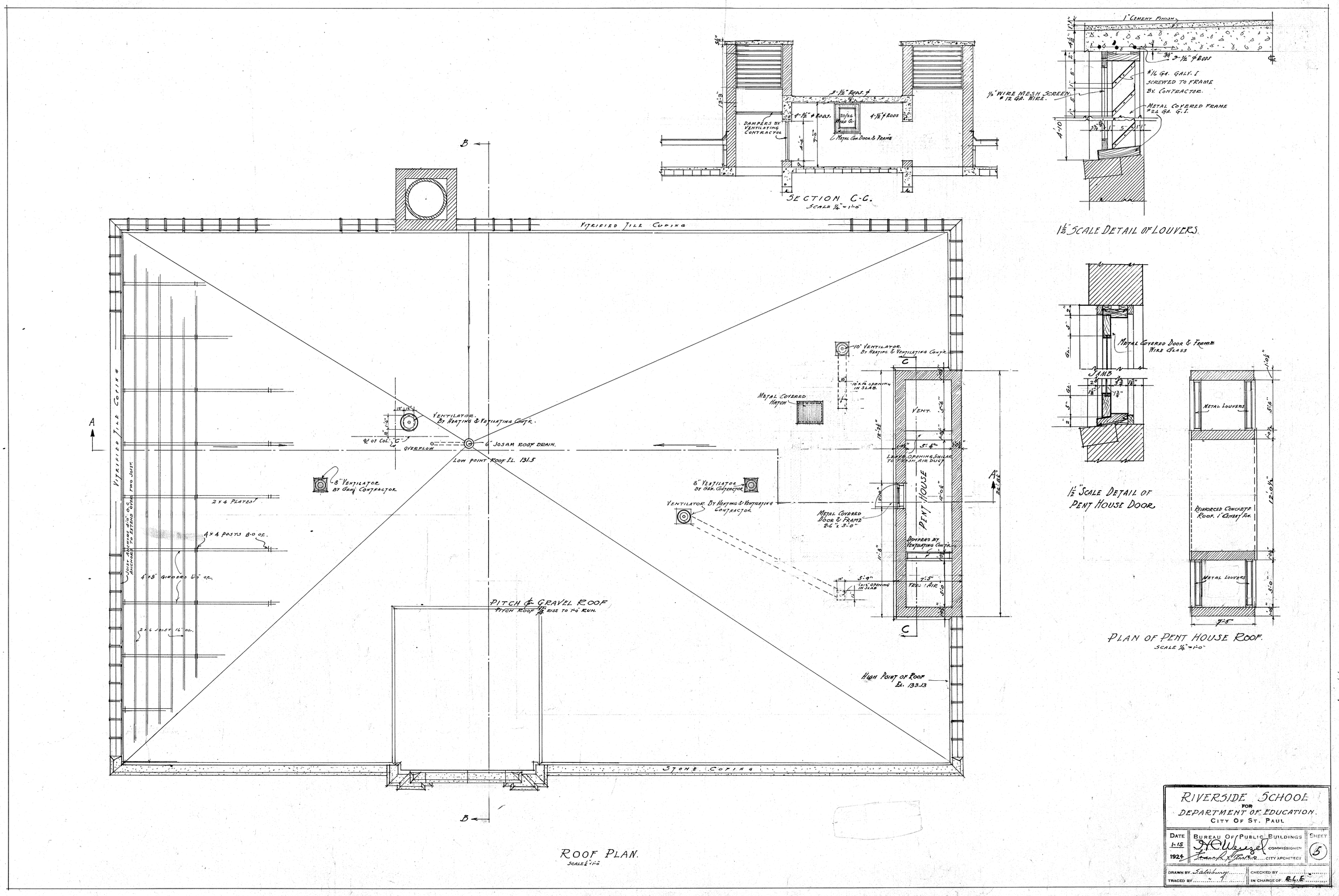
CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1-15 1924	H. C. Wenzel COMMISSIONER; [signature] CITY ARCHITECT	4
Drawn by J.A.S. Traced by "	Checked by In charge of R.L.E.	



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FOR
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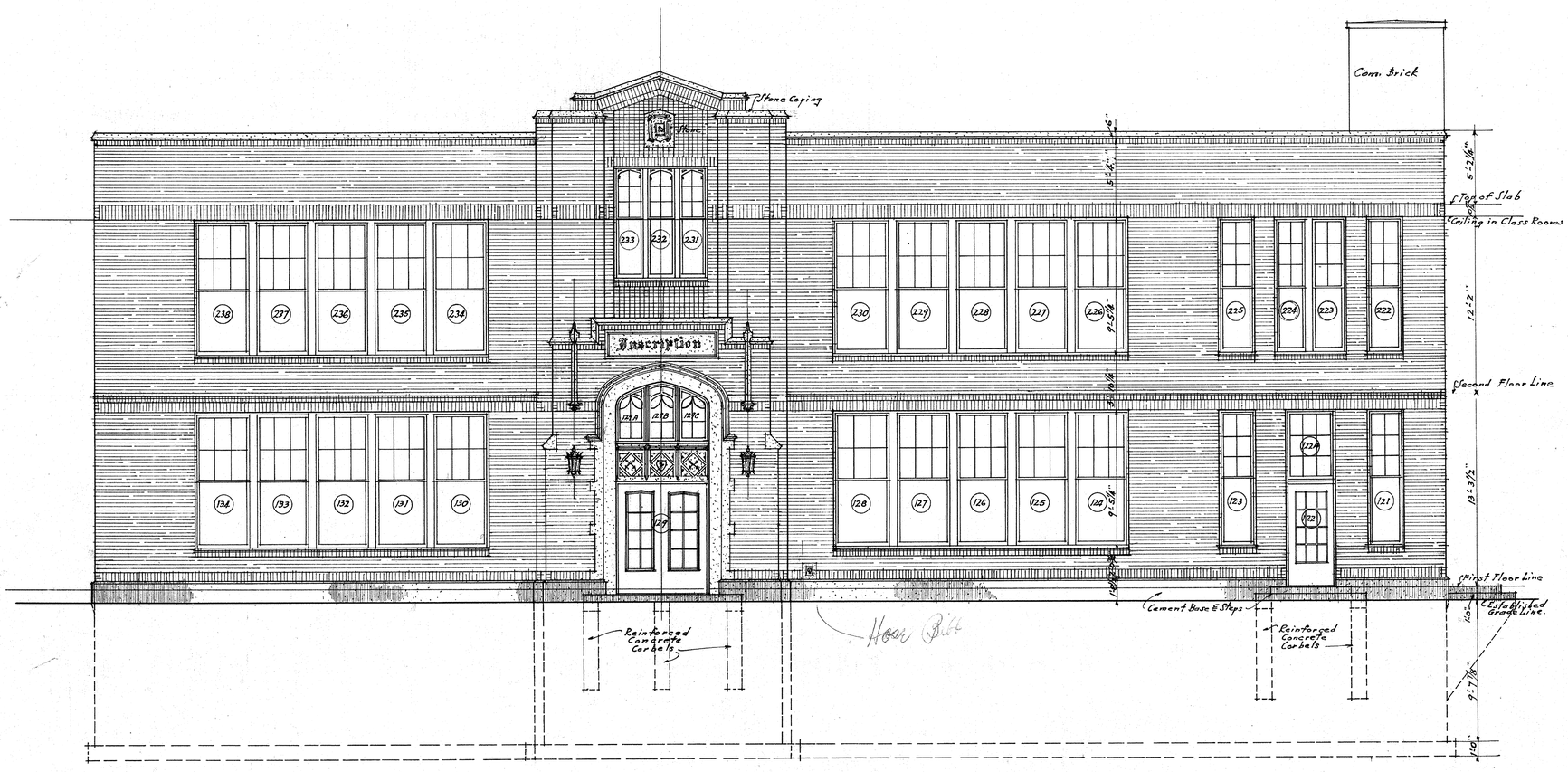
CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1-15 1924	H. C. Wenzel COMMISSIONER Frank J. Ives CITY ARCHITECT	5

DRAWN BY Salisbury
TRACED BY "
CHECKED BY
IN CHARGE OF R.L.E.



EAST ELEVATION

Scale 1/4" = 1'-0"

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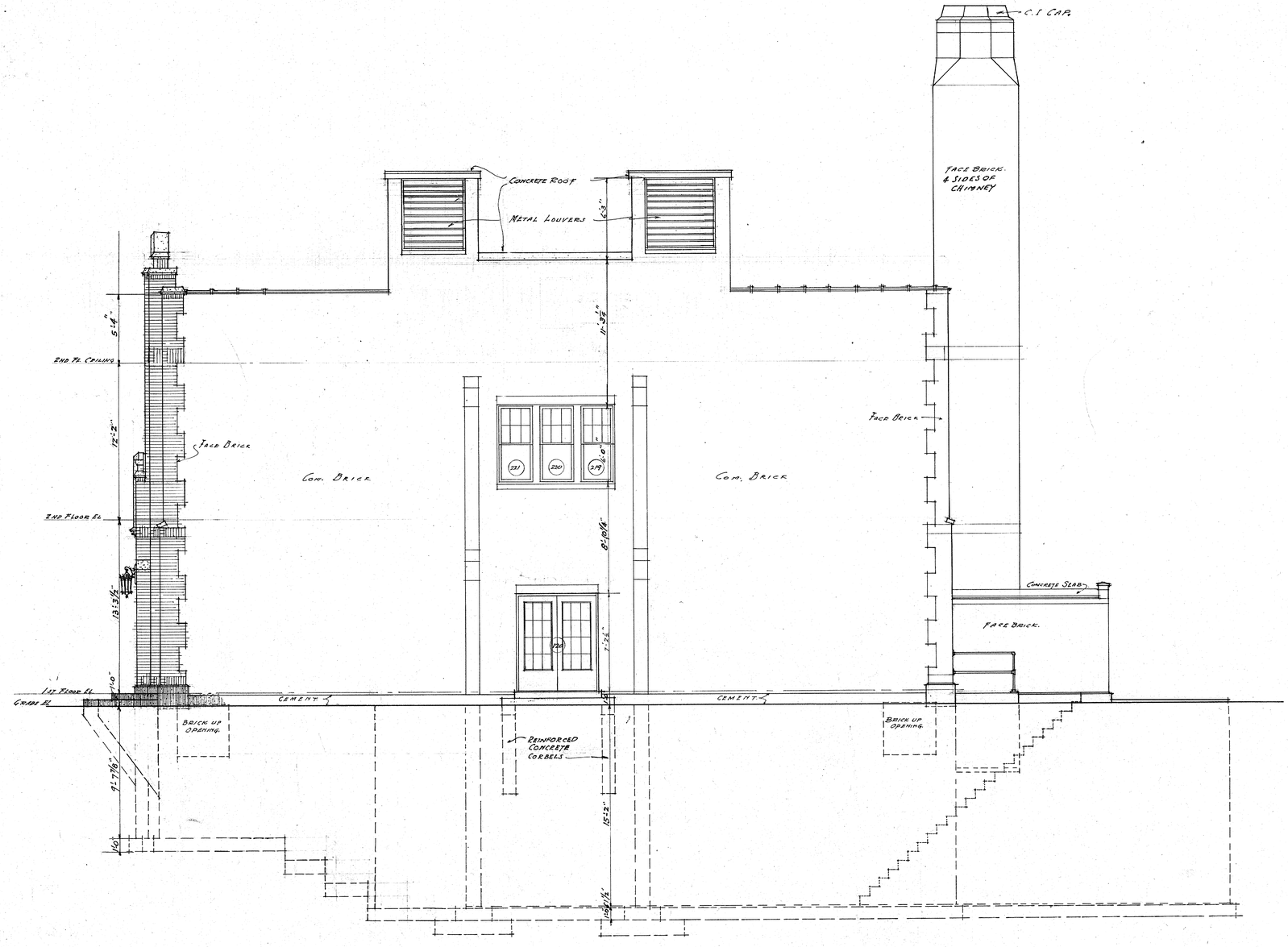
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

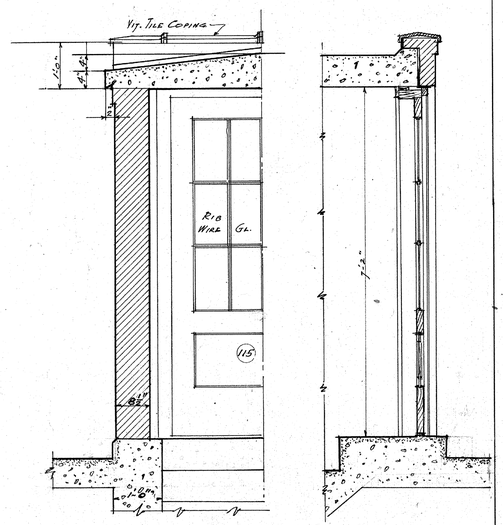
DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1-15-1924	H. C. Wenzel COMMISSIONER Frank L. Foster CITY ARCHITECT	6

DRAWN BY C. H. Bretow
TRACED BY "
CHECKED BY
IN CHARGE OF R. L. E.



· NORTH ELEVATION ·

· SCALE 1/4" = 1'-0" ·



HALF CROSS SECTION PART LONGITUDINAL SECTION

BOILER ROOM ENTRANCE DETAILS

SCALE 3/4" = 1'-0"

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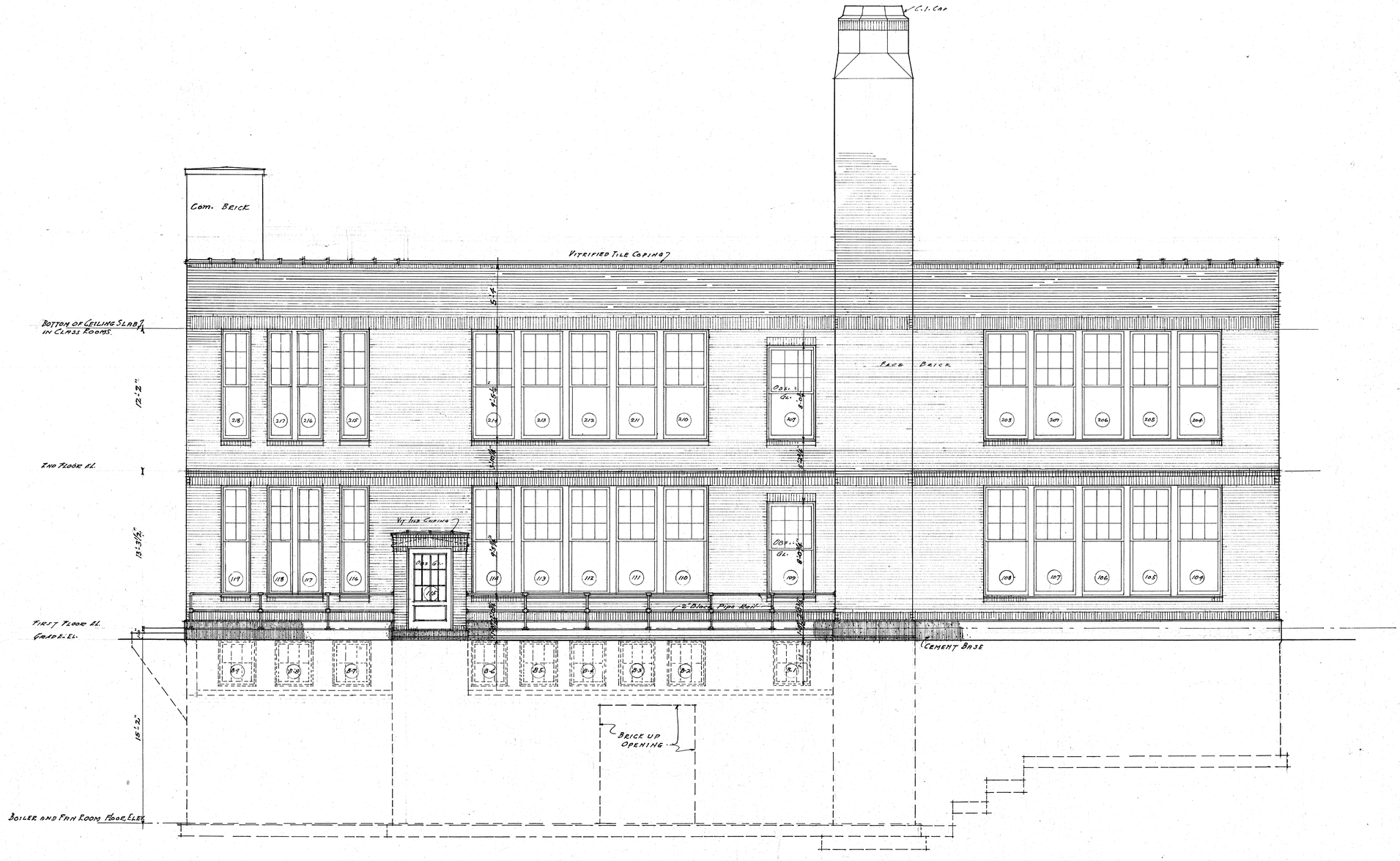
DEPARTMENT OF EDUCATION.
CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1-15 1924	H. C. Wenzel COMMISSIONER Frank Lewis CITY ARCHITECT	7
DRAWN BY R.L.E.	CHECKED BY	
TRACED BY W.B.R.	IN CHARGE OF R.L.E.	



WEST ELEVATION

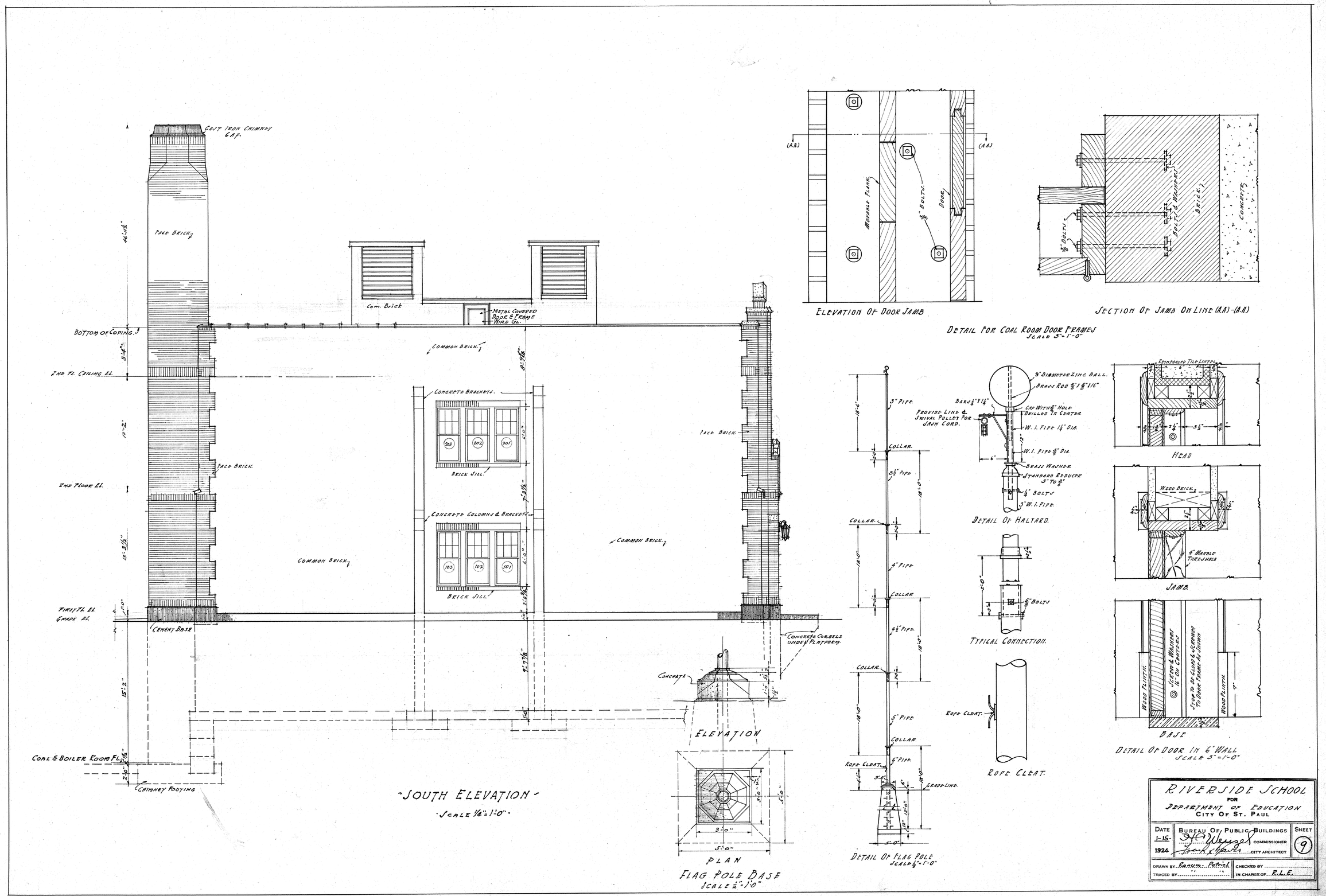
Scale: ¼"-1'-0"

RIVERSIDE SCHOOL

FOR

DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

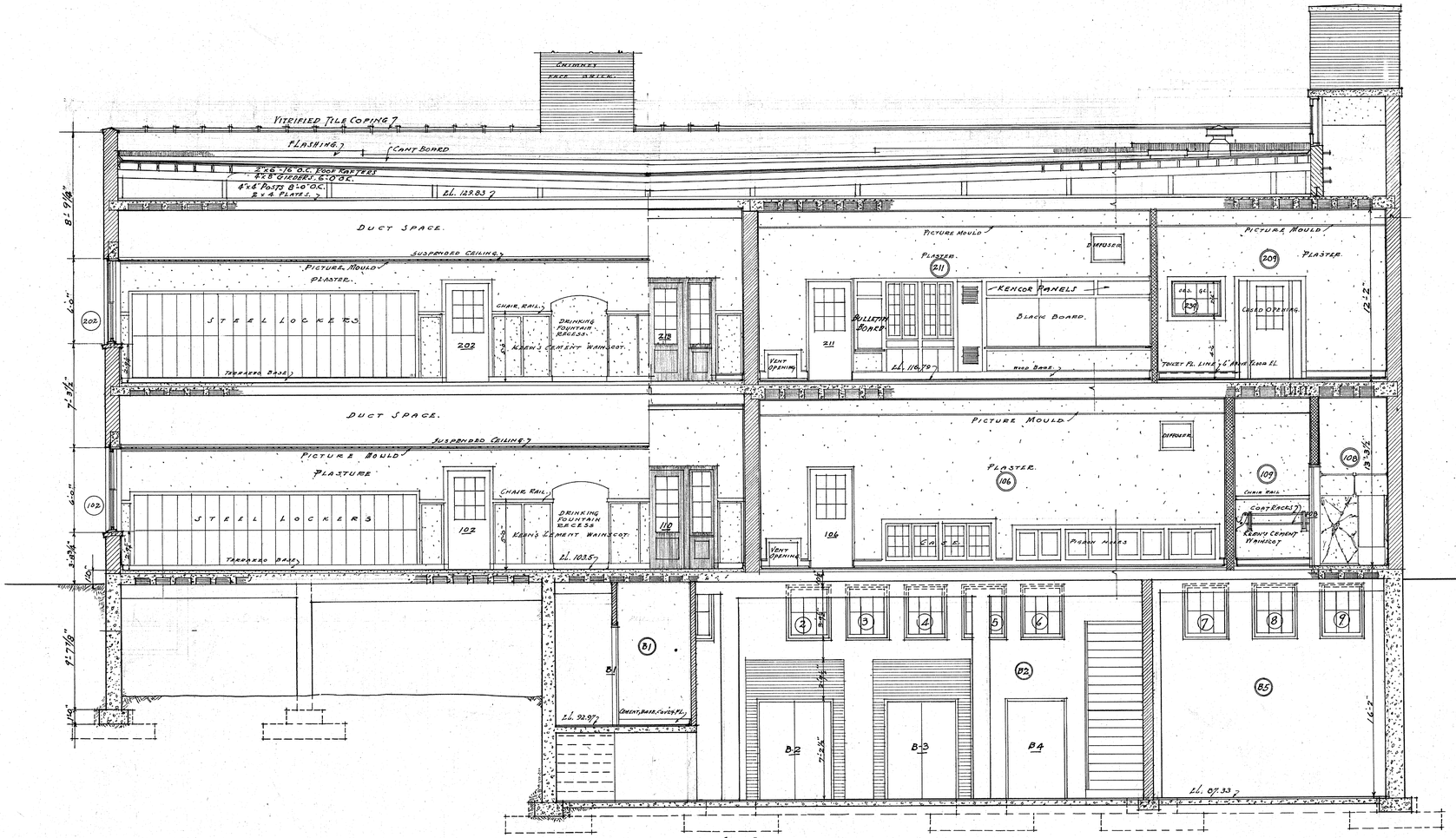
DATE 1-15-1924	BUREAU OF PUBLIC BUILDINGS H.C. Wenzel COMMISSIONER Frank A. Myers CITY ARCHITECT	SHEET 8
DRAWN BY R. Ranum TRACED BY " C.H.B.	CHECKED BY IN CHARGE OF	



RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

Date	Bureau of Public Buildings	Sheet
1-15-1924	H. Wenzel, Commissioner; Frank Hawes, City Architect	9

Drawn by Ranum-Patrick
Traced by
Checked by
In charge of R.L.E.



SECTION "A-A"
SCALE 1/4" = 1'-0"

ROOM NO.	BLACKBOARD SHEDULE			CABINET SCHEDULE	
	A	B	SLATE BLACKBOARD	C	D
101	2'-0"	1'-4"	42"	2'-0"	3'-11 7/8"
102	2'-0"	1'-4"	"	2'-0"	3'-11 7/8"
104	2'-0"	1'-4"	"	2'-0"	3'-11 7/8"
106	1'-8"	1'-8"	"		
201	2'-4"	1'-0"	"	2'-4"	3'-7 7/8"
202	2'-4"	1'-0"	"	2'-4"	3'-7 7/8"
204	2'-4"	1'-0"	"	2'-4"	3'-7 7/8"
211	2'-4"	1'-0"	"	2'-4"	3'-7 7/8"

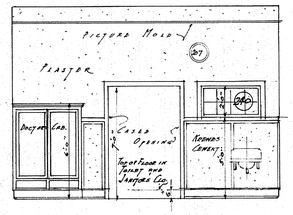
RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1-15-1924	H. C. Wenzel COMMISSIONER Frank J. Geare CITY ARCHITECT	10

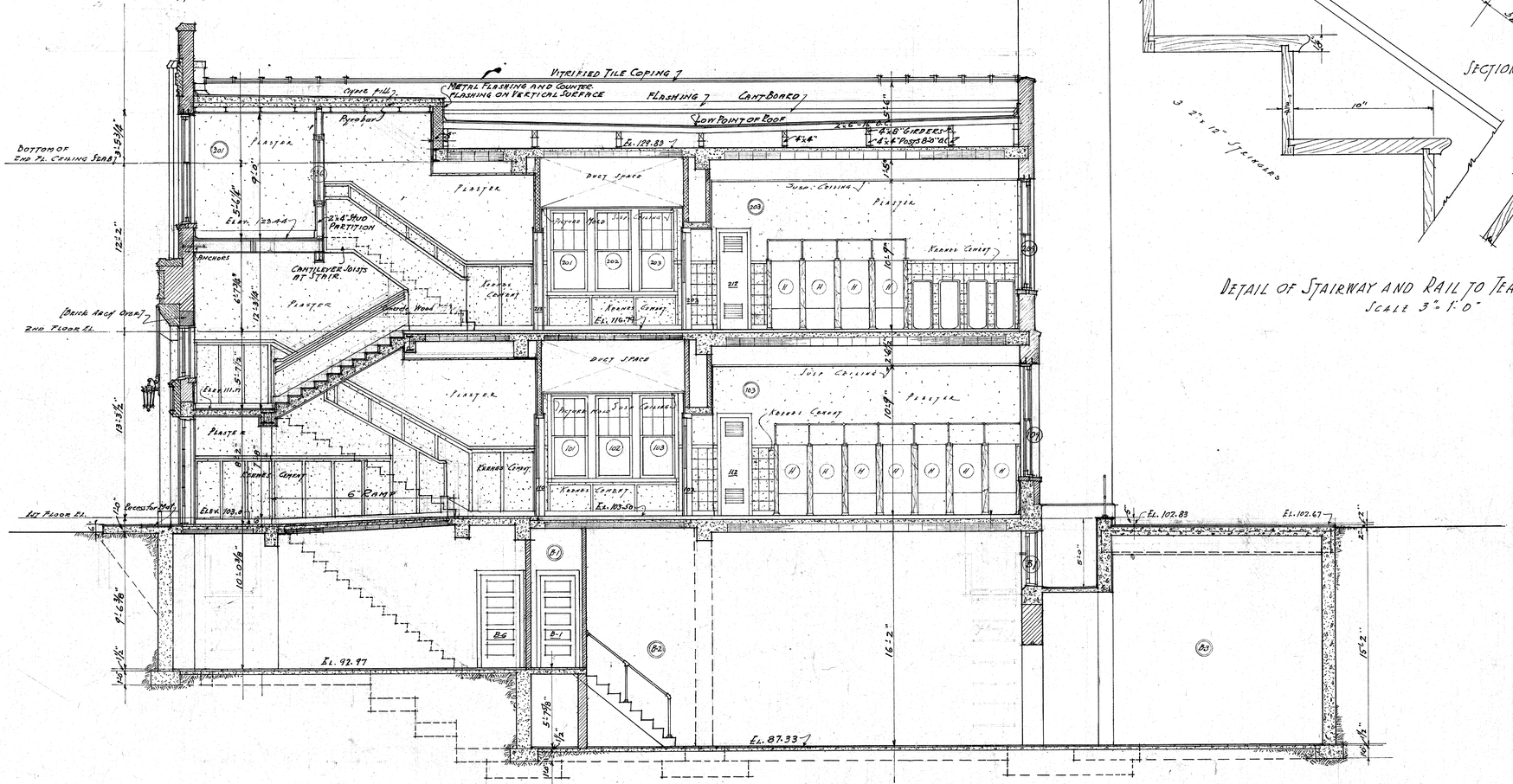
DRAWN BY Dewey
TRACED BY Feldberg
CHECKED BY
IN CHARGE OF R.L.E.



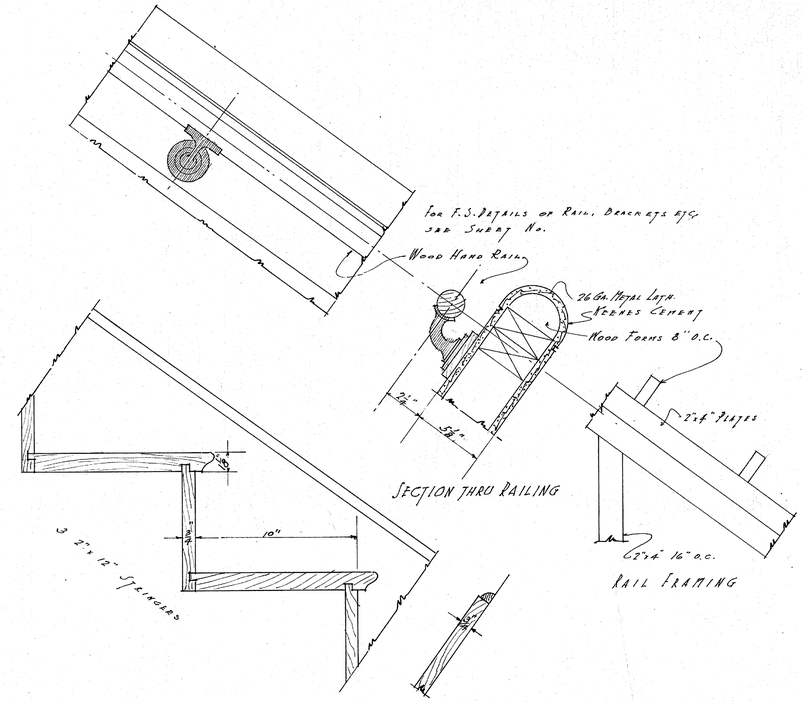
ELEVATION OF TEACHERS' ROOM PARTITION
SCALE 1/4" = 1'-0"



ELEVATION OF PARTITION IN DOCTOR'S OFFICE.
SCALE 1/4" = 1'-0"



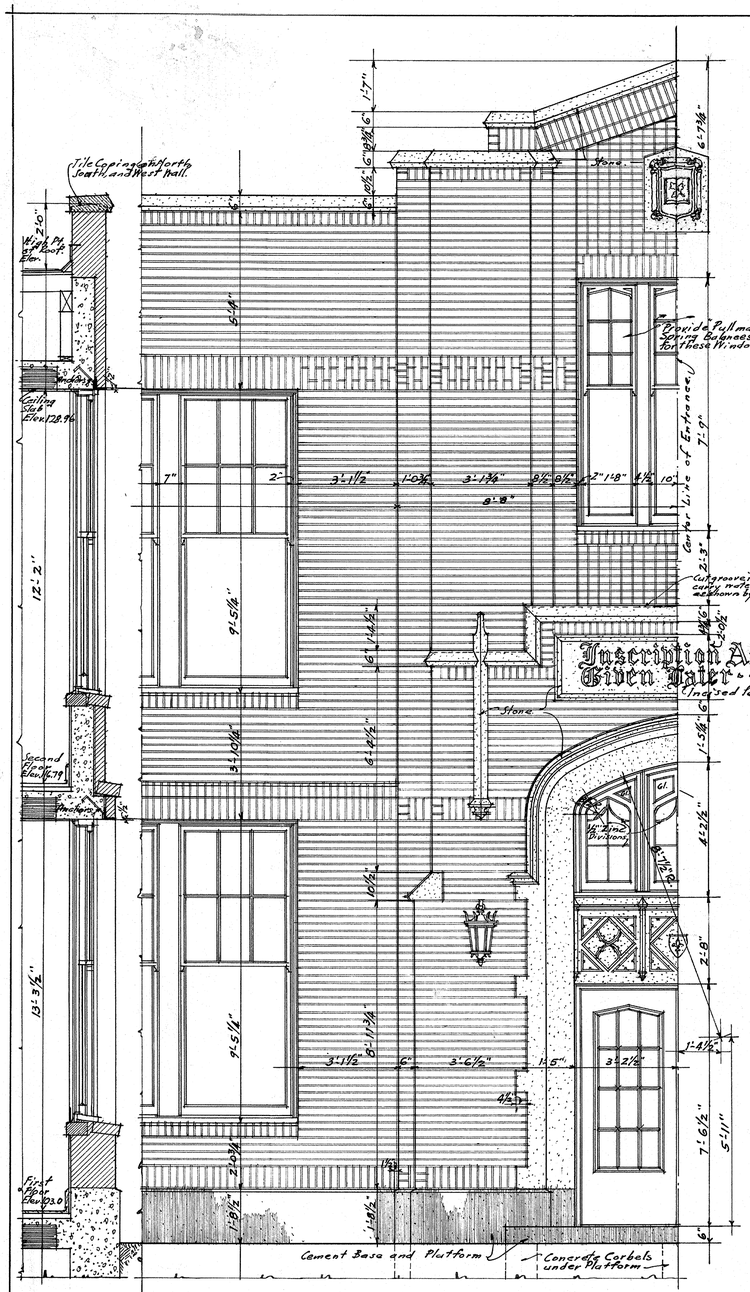
SECTION B-B
SCALE: 1/4" = 1'-0"



DETAIL OF STAIRWAY AND RAIL TO TEACHERS' ROOM.
SCALE 3" = 1'-0"

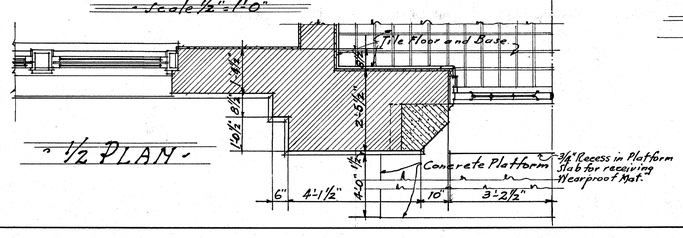
RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL.

1-15 1928	BUREAU OF PUBLIC BUILDINGS COMMISSIONER — CITY ARCHITECT	SHEET 11
DRAWN BY R.S.D. - C.H.B. TRACED BY R.J.R.	CHECKED BY R.L.E.	

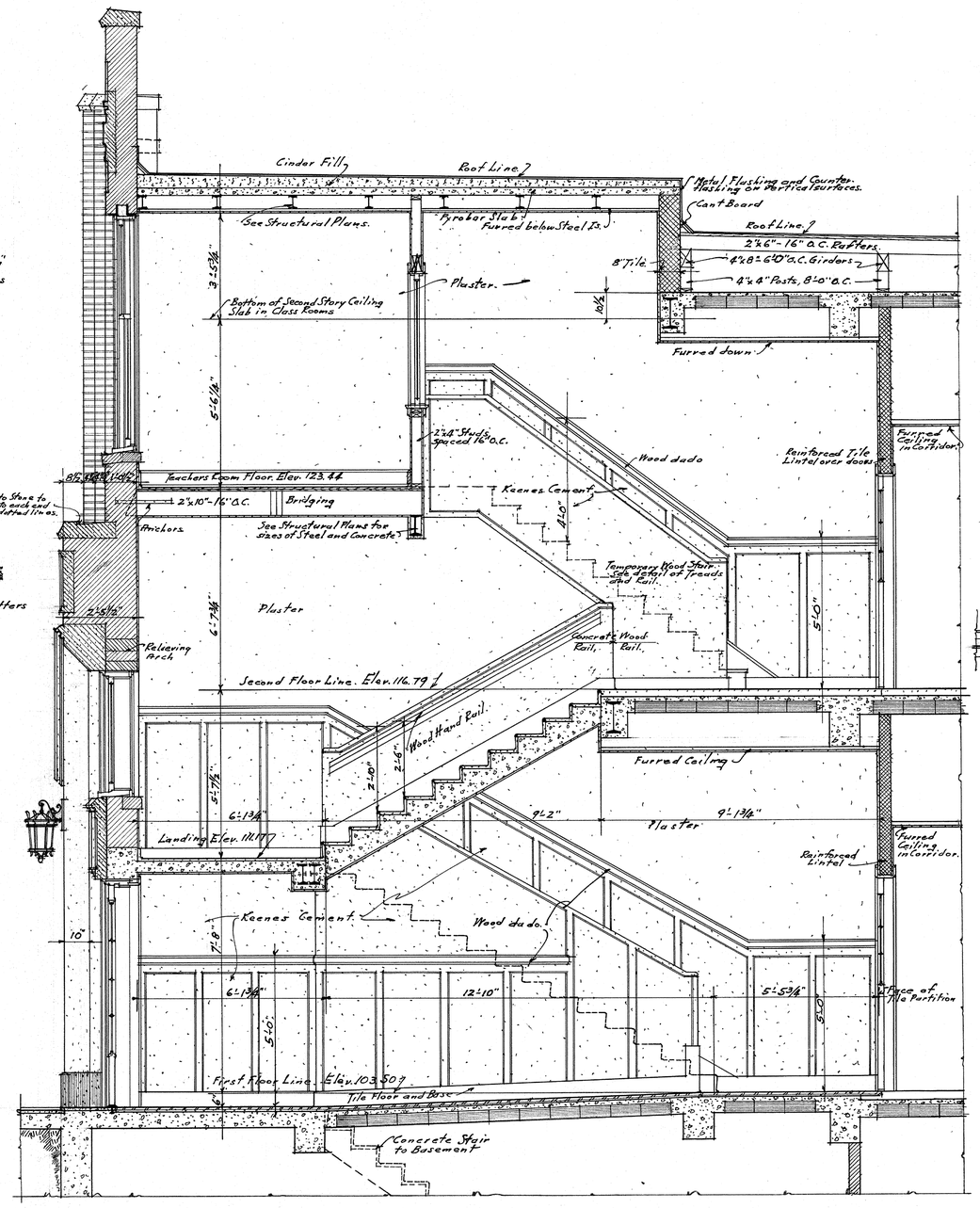


·SECTION· ½ ELEVATION OF FRONT ENTRANCE·

·Scale ½"=1'-0"

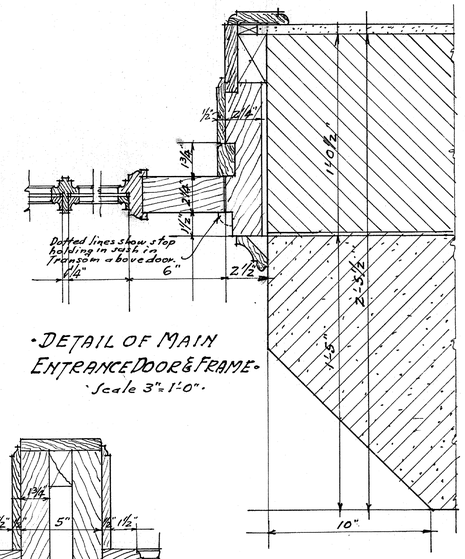


·½ PLAN·



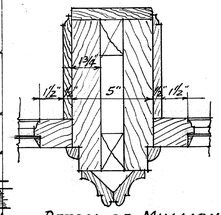
·SECTION THROUGH FRONT ENTRANCE AND MAIN STAIR·

·Scale ½"=1'-0"



·DETAIL OF MAIN ENTRANCE DOOR & FRAME·

·Scale 3"=1'-0"·



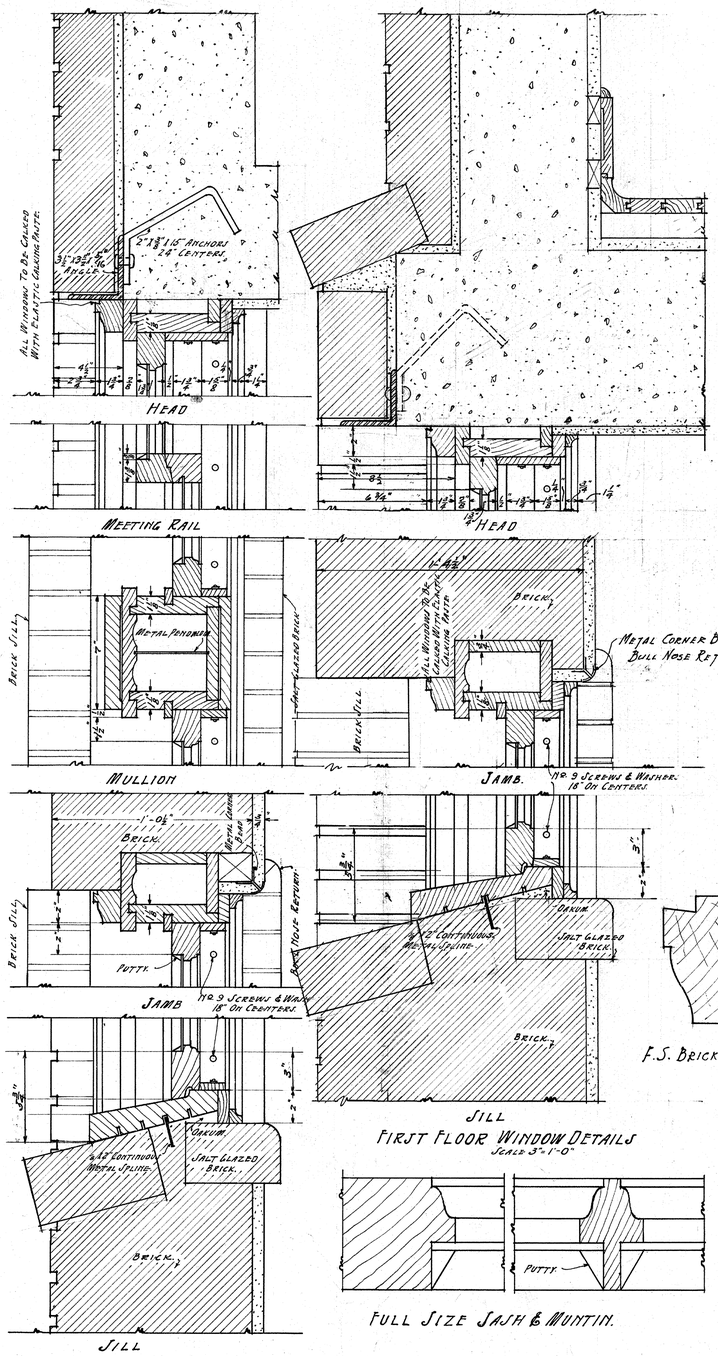
·DETAIL OF MULLION IN TRANSOM ABOVE DOOR·

·Scale 3"=1'-0"·

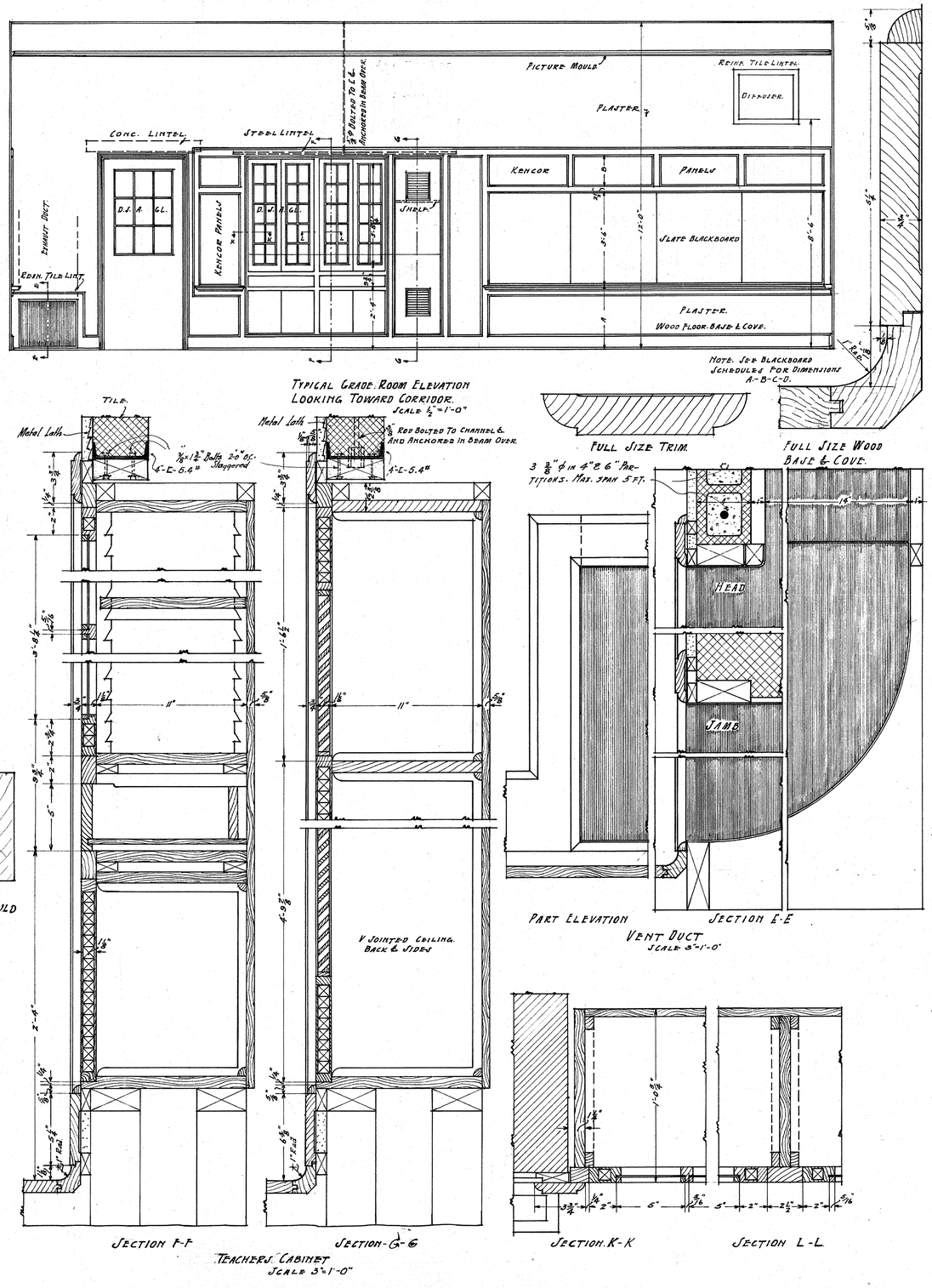
·DETAILS OF FRONT ENTRANCE·

·Scale as noted·

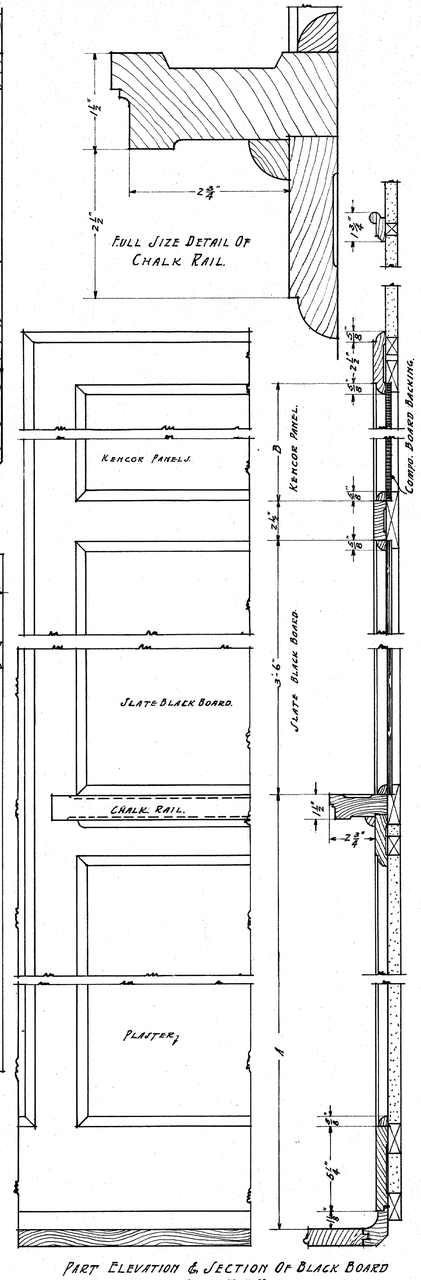
RIVERSIDE SCHOOL FOR DEPARTMENT OF EDUCATION CITY OF ST. PAUL		
DATE 1-15-1923	BUREAU OF PUBLIC BUILDINGS C. H. Bluver COMMISSIONER Fred A. Goetsch CITY ARCHITECT	SHEET 12
DRAWN BY C. H. Buetow	CHECKED BY	
TRACED BY "	IN CHARGE OF R. L. E.	

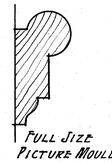


NOTE
CONTRACTOR TO VERIFY MEASUREMENTS AT BUILDING.



TYPICAL GRADE ROOM ELEVATION
LOOKING TOWARD CORRIDOR.
Scale 1/2"=1'-0"





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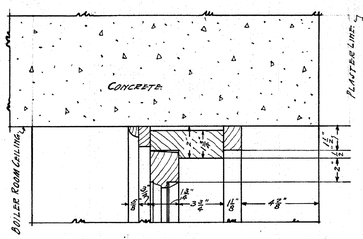
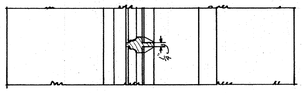
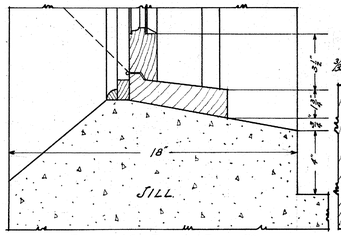
CITY OF ST. PAUL

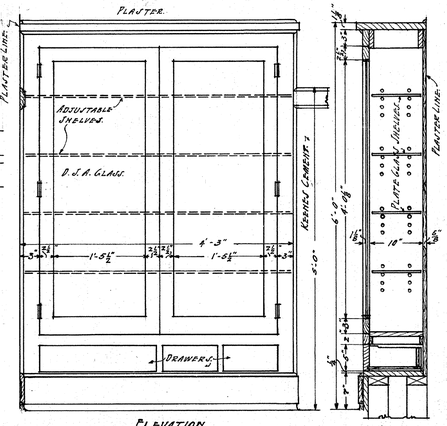
DATE. 1-15-1924	BUREAU OF PUBLIC BUILDINGS H.C. Wenzel COMMISSIONER Frank R. Kiewit CITY ARCHITECT	SHEET 13
DRAWN BY. Petrich	CHECKED BY	
TRACED BY. "	IN CHARGE OF. R.L.E.	



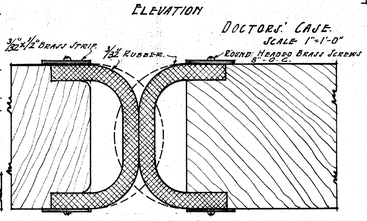




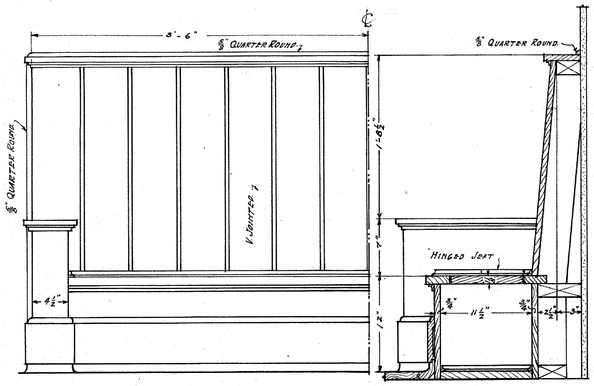
Detail Of Boiler Room Window
Scale 3"-1'-0"



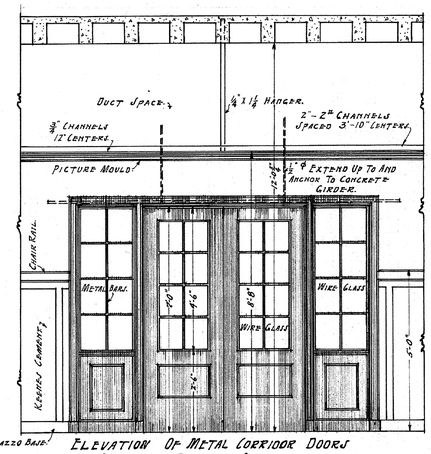
Doctors' Case.
Scale 1"-1'-0"



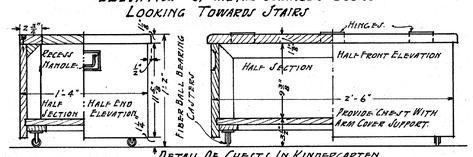
Full Size Detail Of Rubber Astragal.



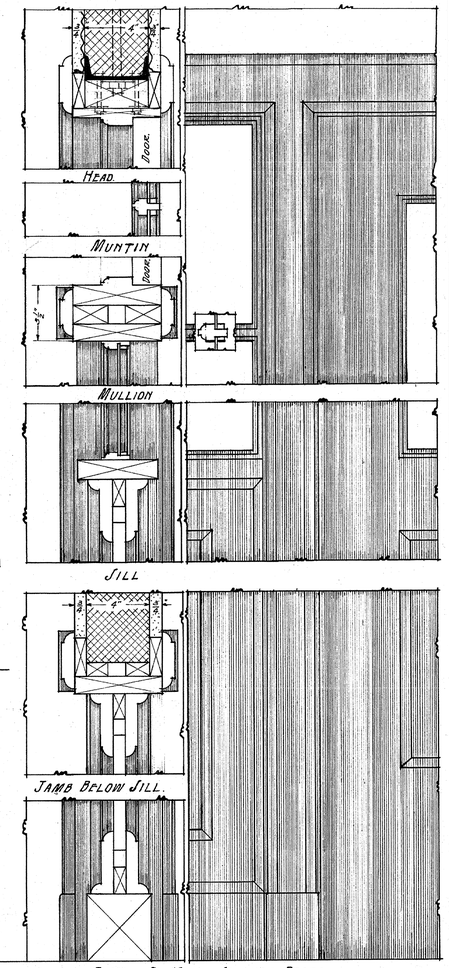
Kindergarten Seat
Scale 1½"-1'-0"



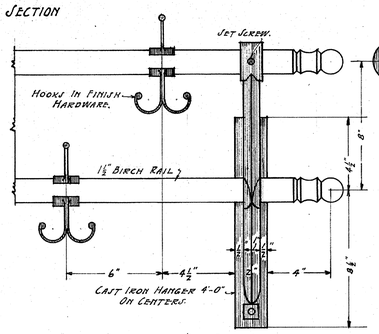
Elevation Of Metal Corridor Doors Looking Towards Stairs

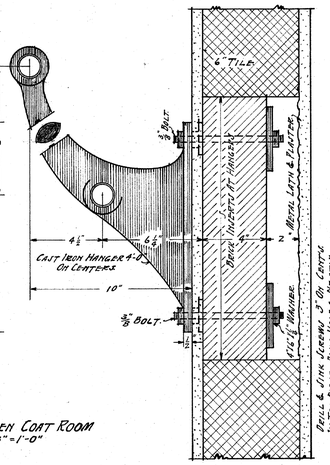


Detail Of Chests In Kindergarten
Scale ½"-1'-0"

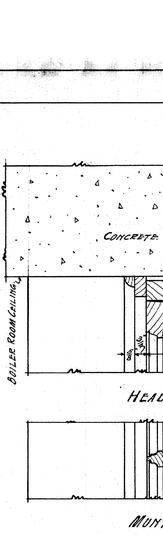


Detail Of Metal Corridor Doors.
Scale 3"-1'-0"



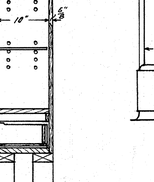


Coat Rack In Kindergarten Coat Room
Scale 3"=1'-0"

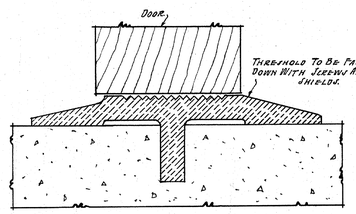


Kindergarten Wardrobe.
Scale 1"=1'-0"

Note.
Contractor To Verify Measurements At Building.

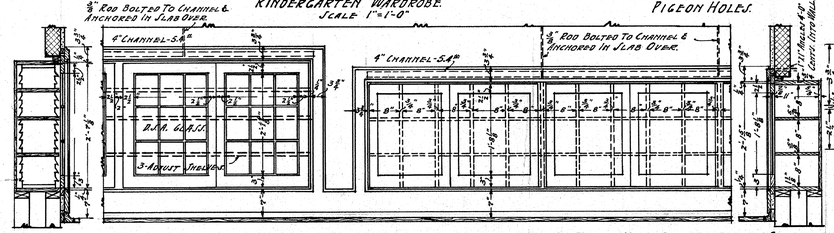


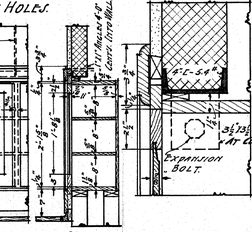
Full Size Detail Of Stair Rail



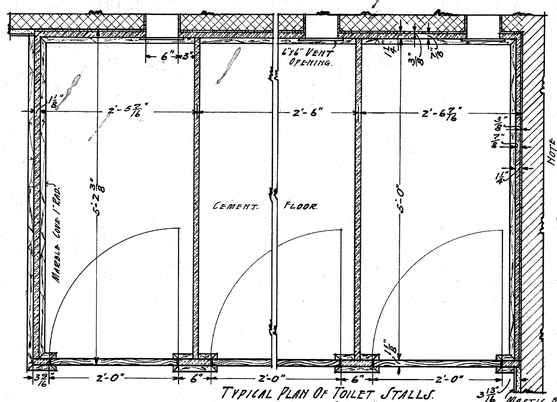
Full Size Detail Of Threshold

Note.
Manufacturers Of Metal Doors Shall Submit Shop Drawings Of Door & Frame To The Architect For His Approval.

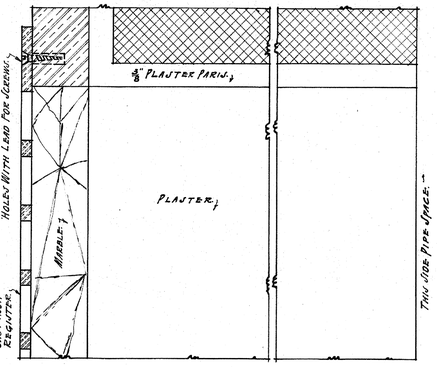




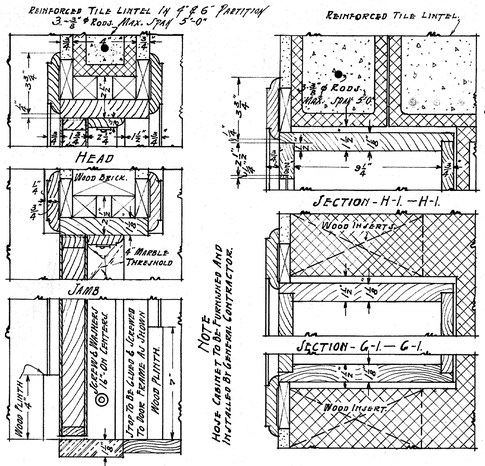
RIVERSIDE SCHOOL		
FOR DEPARTMENT OF EDUCATION. CITY OF ST. PAUL		
DATE 1-15 1924	BUREAU OF PUBLIC BUILDINGS H.C. Wenzel COMMISSIONER; Frank L. Rowe CITY ARCHITECT	SHEET 14
DRAWN BY Patrick; TRACED BY "	CHECKED BY ; IN CHARGE OF R.L.E.	



Typical Plan Of Toilet Stalls.
Scale 1"=1'-0"



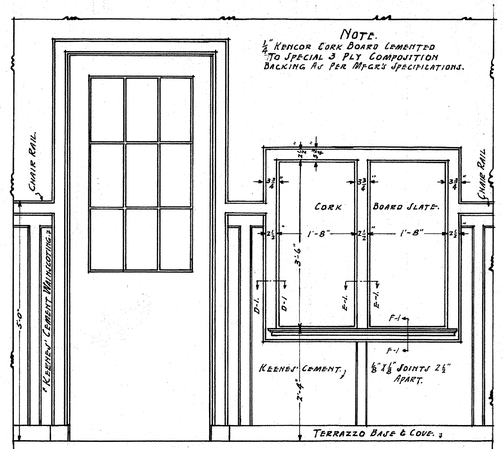
Full Size Section Through Vent.



Base
Detail Of Door In 4" Wall
Scale 3"=1'-0"

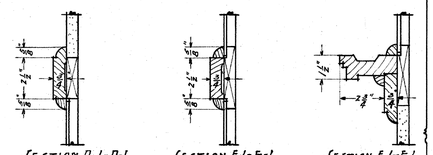
Section - H-1. - H-1.
Section - G-1. - G-1.
Section - 1-1 - 1-1
Sections Of Hose Cabinet.
Scale 3"=1'-0"

Elevation Of Hose Cabinet.
Scale ¾"=1'-0"

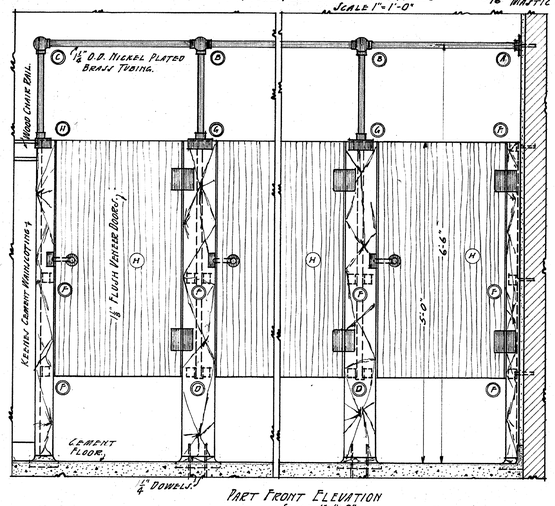


Elevation Of Bulletin Board
Scale ¾"=1'-0"

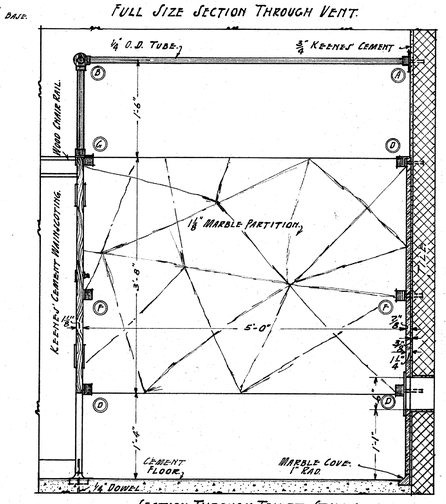
Bulletin Board Details.



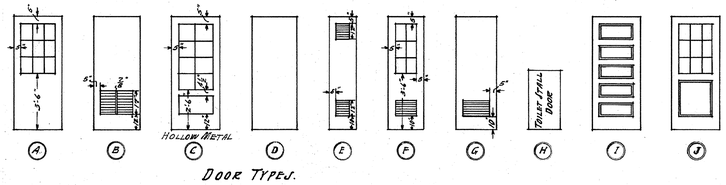
Section D-1-D-1.
Section E-1-E-1.
Scale 3"=1'-0"
Section F-1-F-1.



Part Front Elevation
Scale 1"=1'-0"



Section Through Toilet Stalls
Scale 1"=1'-0"



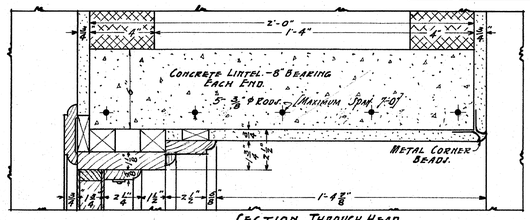
Door Types.

3 D

Paint On Doors As Directed.

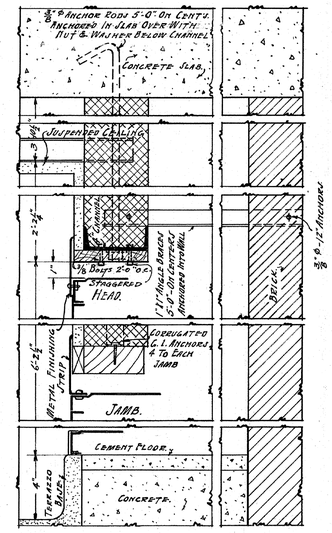
All Grade Room Doors Shall Be Numbered With Two Inch Numerals Similar To Above.

All Other Rooms Shall Have The Name Of Them Painted On The Doors Letters Similar To Above.

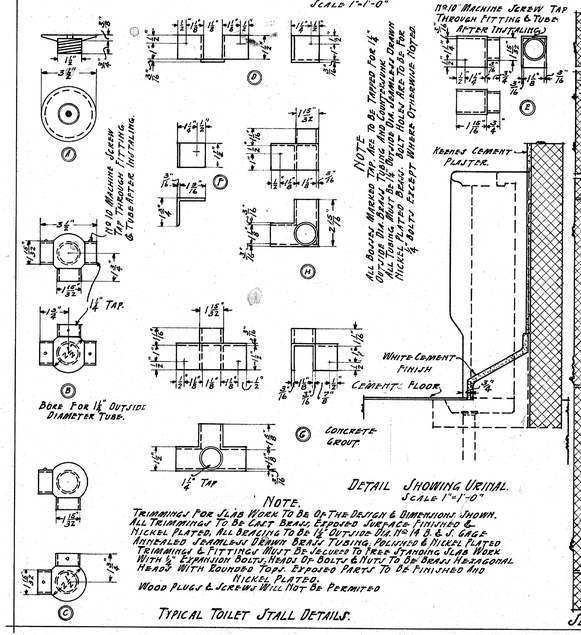


Typical Detail Of Corridor Door Openings In Two Foot Wall
Scale 3"=1'-0"

Note.
Contractor To Verify Measurements At Building.



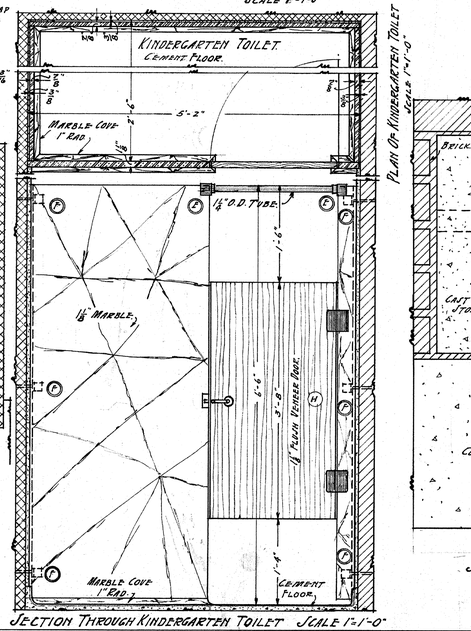
Detail Of Opening For Lockers.
Scale 3"=1'-0"



Detail Showing Urinal.
Scale 1"=1'-0"

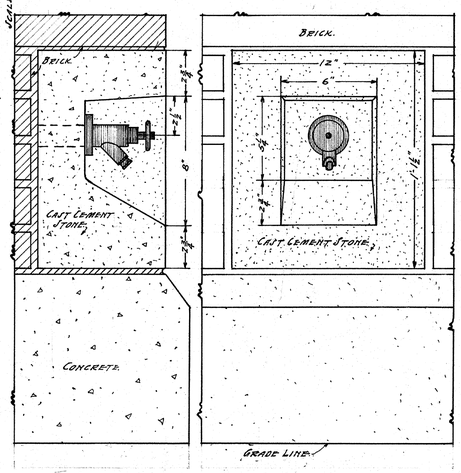
Note.
Trimmings For Slab Work To Be Of The Design & Dimensions Shown. All Trimmings To Be Cast Brass, Exposed Surfaces Finished & Nickel Plated. All Bending To Be 1½" Outside Dia. No 14 B. & S. Gage Annealed Seamless Brown Brass Tubing, Polished & Nickel Plated. Trimmings & Fittings Must Be Secured To Their Standing Slab Work With ¼" Stainless Bolts, Heads Of Bolts & Nuts To Be Round Horizontal Heads With Rounded Tops. Exposed Parts To Be Finished And Nickel Plated.
Wood Plugs & Screws Will Not Be Permitted

Typical Toilet Stall Details.



Section Through Kindergarten Toilet Scale 1"=1'-0"

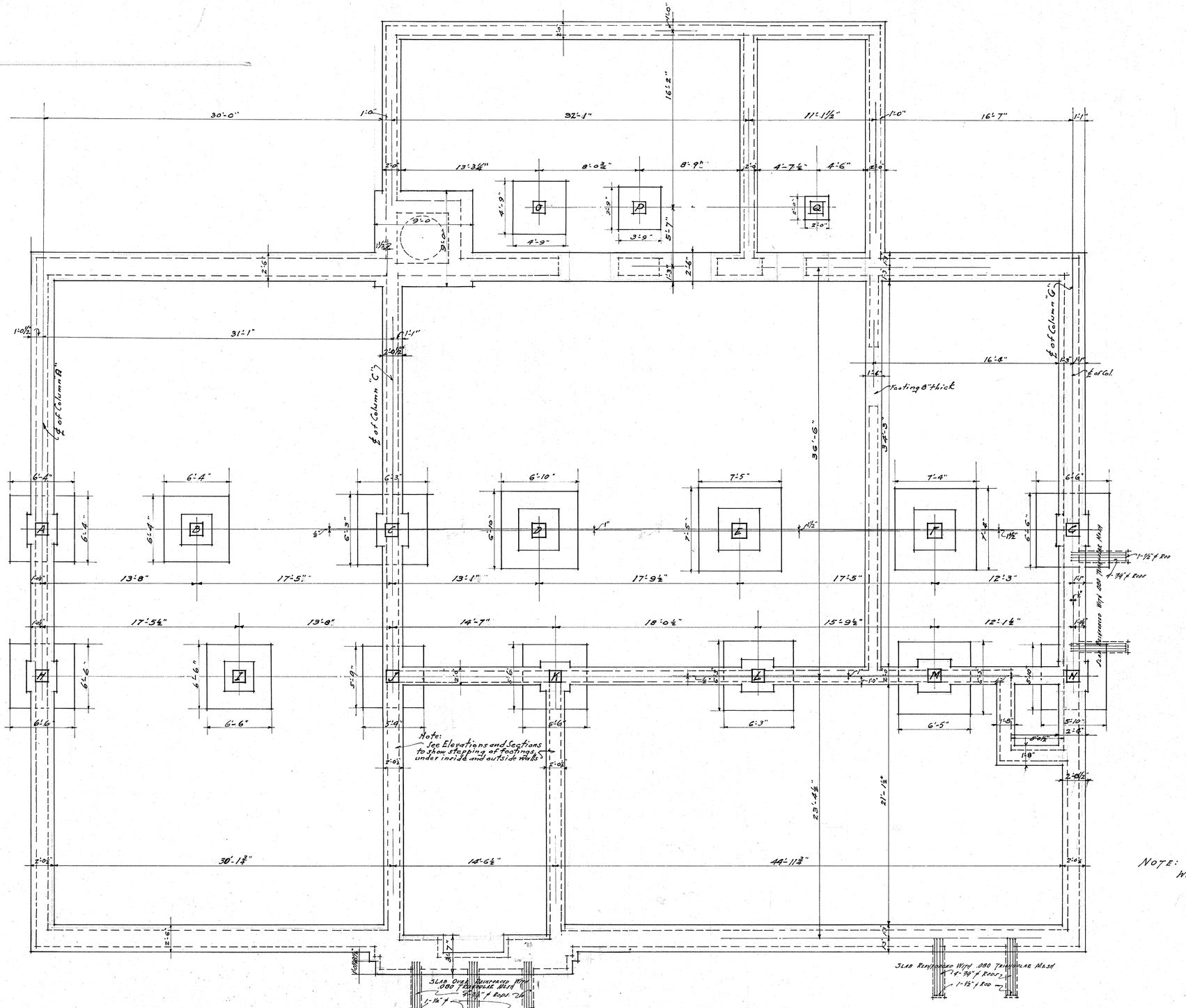
Plan Of Kindergarten Toilet
Scale 1"=1'-0"



Section
Elevation
Detail Of Sill Lock.
Scale 3"=1'-0"

RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

DATE 1-15-1924
BUREAU OF PUBLIC BUILDINGS
H. O. Wangerin COMMISSIONER
R. L. Lewis CITY ARCHITECT
SHEET 15
DRAWN BY Patrick
TRACED BY
CHECKED BY
IN CHARGE OF R.L.E.



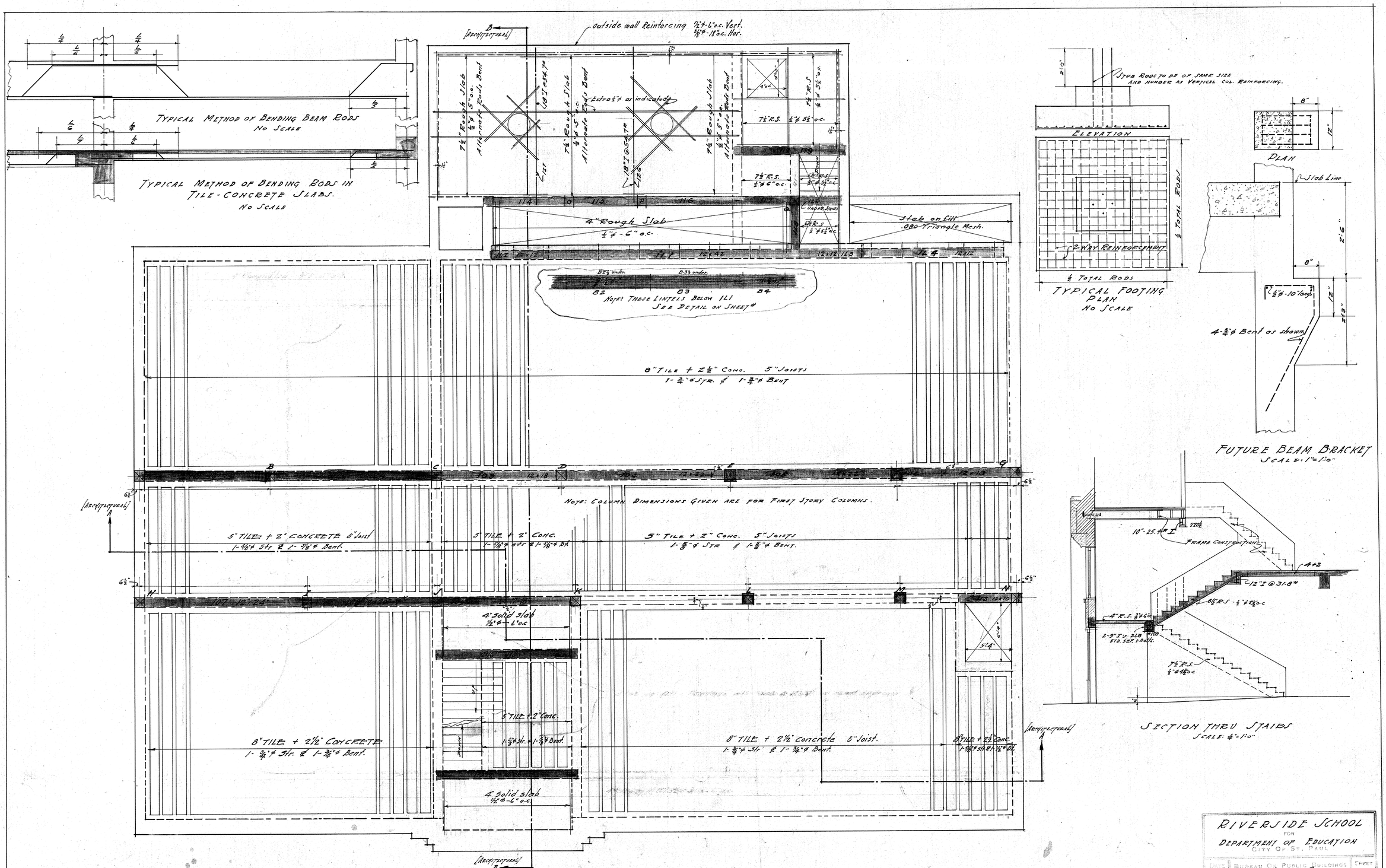
FOOTING PLAN

SCALE: ¼" = 1'-0"

NOTE: GRADE ROOM FACE OF ALL COLUMNS IN CORRIDOR WALLS TO BE FLUSH WITH FACE OF WALLS OF GRADE RMS. (EXCEPT COL. "F" ON 1ST FLOOR)

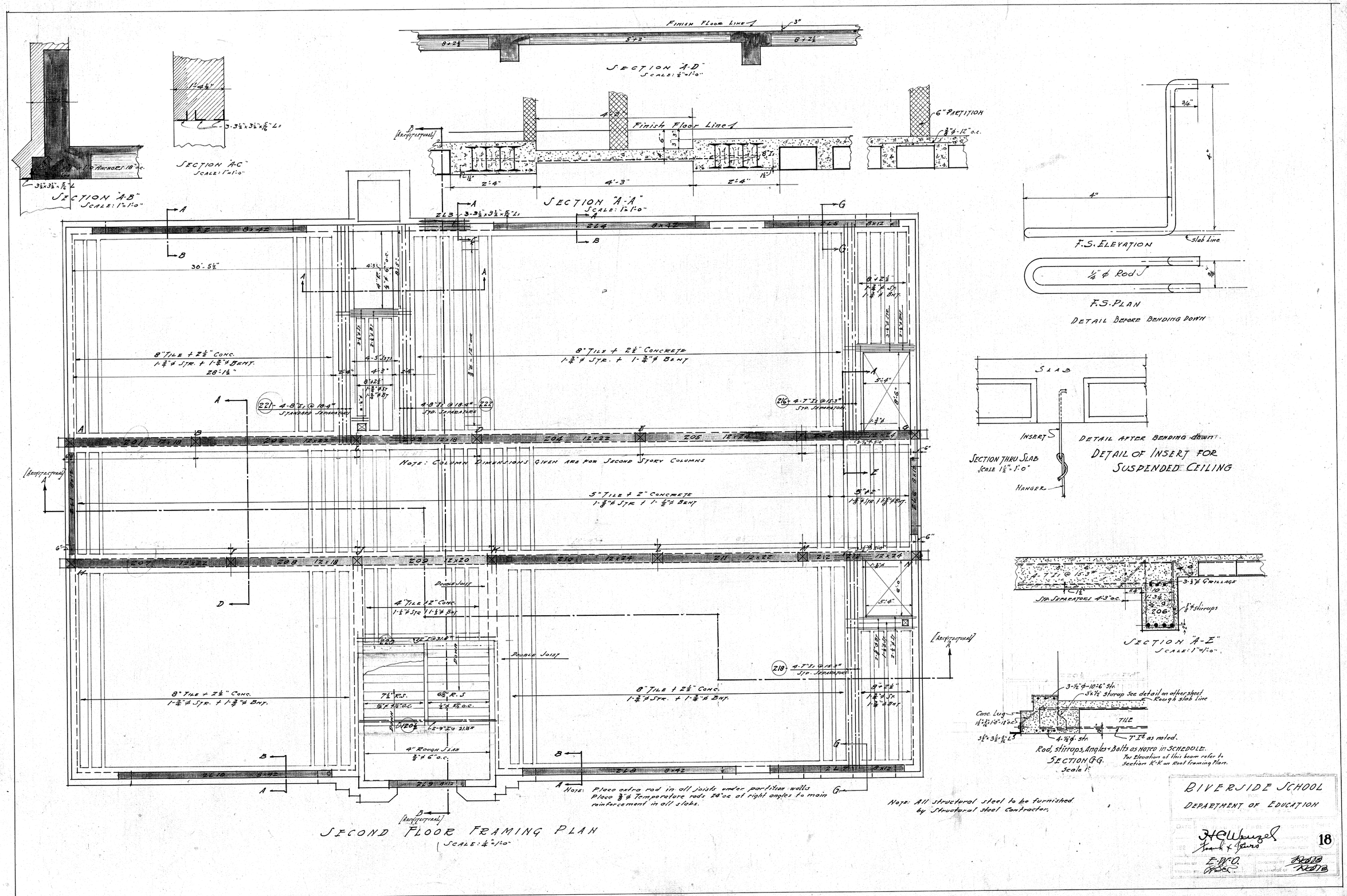
RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

DATE 1-15-1924	BUREAU OF PUBLIC BUILDINGS H. C. Wenzel ENGINEER Frank L. Burns CITY ARCHITECT	SHE 16
DRAWN BY J. A. S.	CHECKED BY [illegible]	
TRACED BY [illegible]	IN CHARGE OF [illegible]	

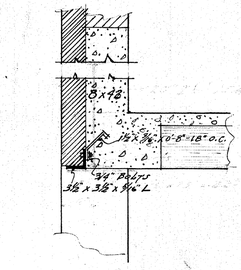


RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

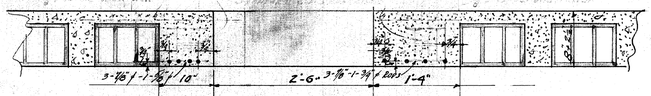
DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
192	H. C. Wenzel, COMMISSIONER; 1 1 1 Jones, CITY ARCHITECT	17
DRAWN BY	E.W.O.	CHECKED BY
TRACED BY	R.S.P.	IN CHARGE OF



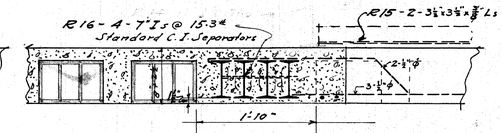
Finish Floor Line
SECTION "A-D"
SCALE: 1/2"=1'-0"
SECTION "A-C"
SCALE: 1"=1'-0"
SECTION "A-B"
SCALE: 1"=1'-0"
Finish Floor Line
6" PARTITION
SECTION "A-A"
SCALE: 1"=1'-0"
F.S. ELEVATION
Slab Line
1/4" ϕ Rod
F.S. PLAN
DETAIL BEFORE BENDING DOWN
SLAB
INSERT
HANGER
SECTION THRU SLAB
SCALE 1 1/2"=1'-0"
DETAIL AFTER BENDING DOWN
DETAIL OF INSERT FOR SUSPENDED CEILING
8" TILE + 2 1/2" CONC.
1-3/4" ϕ STR. + 1-3/4" ϕ BENT.
8" TILE + 2 1/2" CONCRETE
1-3/4" ϕ STR. + 1-3/4" ϕ BENT
221 - 4-8" I's @ 18.4#
STANDARD SEPARATORS
222
STD. SEPARATORS
216 - 4-7" I's @ 15.3#
STD. SEPARATORS
NOTE: COLUMN DIMENSIONS GIVEN ARE FOR SECOND STORY COLUMNS
5" TILE + 2" CONCRETE
1-5/8" ϕ STR. + 1-1/2" ϕ BENT
DOUBLE JOIST
4" TILE + 2" CONC.
1-1/2" ϕ STR. + 1-1/2" ϕ BNT.
218 - 4-7" I's @ 15.3#
STD. SEPARATORS
8" TILE + 2 1/2" CONC.
1-3/4" ϕ STR. + 1-3/4" ϕ BNT.
8" TILE + 2 1/2" CONC.
1-3/4" ϕ STR. + 1-3/4" ϕ BNT.
4" ROUGH SLAB
3/8" ϕ 6" o.c.
NOTE: Place extra rod in all joists under partition walls
Place 3/8" ϕ Temperature rods 24" o.c. at right angles to main reinforcement in all slabs.
SECOND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"
STD. SEPARATORS 4'-3" o.c.
3-1/2" ϕ GRILLAGE
3/8" ϕ stirrups
SECTION "A-E"
SCALE: 1"=1'-0"
3-1/2" ϕ-10'-6" str.
3x1/2" stirrup see detail on other sheet
Rough slab line
Conc. Lug
TILE
7" I's as noted.
4-1/2" ϕ str.
Rod, stirrups, Angles + Bolts as NOTED in SCHEDULE.
For Elevation of this beam refer to Section K-K on Roof Framing Plan.
SECTION G-G.
Scale 1"
NOTE: All structural steel to be furnished by Structural steel Contractor.
RIVERSIDE SCHOOL
DEPARTMENT OF EDUCATION
H.C. Wenzel
Frank + Ferro
E.W.O.
18



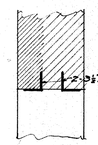
SECTION "F-F"
SCALE: 1"=1'-0"



SECTION "C-C"
SCALE: 1"=1'-0"



SECTION "B-B"
SCALE: 1"=1'-0"
SECTION "B1-B1" SIMILAR.

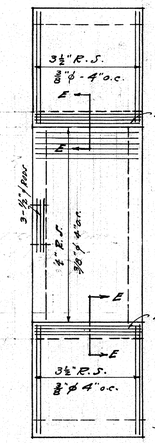


SECTION "G-G"
SCALE: 1"=1'-0"

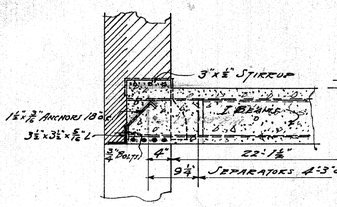


SECTION "H-H"

ROOF FRAMING PLAN
SCALE: 4"=1'-0"

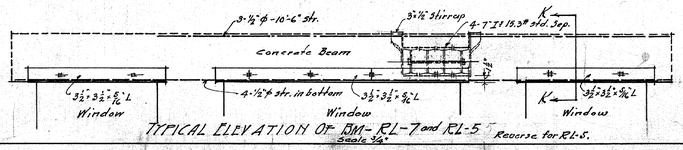


PENT HOUSE ROOF SLABS.
SCALE: 4"=1'-0"



SECTION E-E
SCALE: 4½"=1'-0"
STIRRUPS

SECTION "K-K"
SCALE: 1½"=1'-0"



TYPICAL ELEVATION OF BM- RL-7 and RL-5
Scale ¾"
Reverse for RL-5

RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

DATE: 1923
DRAWN BY: E-W-O.
TRACED BY: R.D.S. Keith
SUBMITTED BY: H.C. Wenzel
APPROVED BY: Frank A. Ross
IN CHARGE OF WORK:

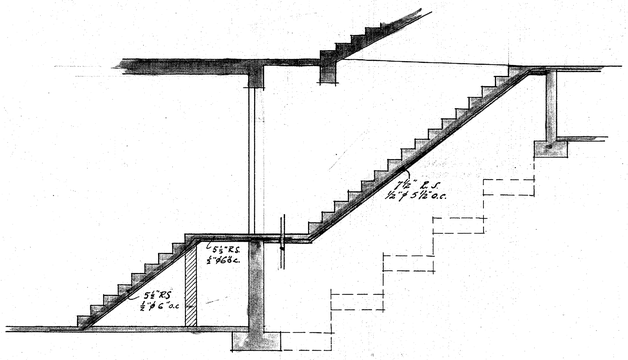
19

REINFORCED CONCRETE BEAMS & LINTELS

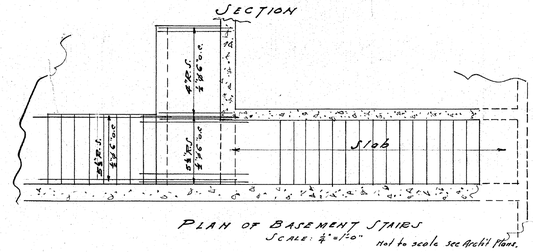
BEAM	No.	WIDE	DEEP	STRAIGHT RODS	BENT RODS	No of ⅜ϕ STIRRUPS	STIRRUP SPACING @4"	@6"	@12	TEE	REMARKS
EL1	1	8"	12"	2-½"ϕ	1-½"ϕ	None				None	
EL5	1	8"	12"	3-¾"ϕ in Top 4-¾"ϕ in Bottom	None	10			5	"	See Detail
EL6	1	8	12	2-½"ϕ	1-½"ϕ	None				"	
EL7	1	8	12"	3-¾"ϕ in Top 4-¾"ϕ in Bottom	None	10			5	"	See Detail.
EL2&EL4	2	8	42	2-¾"ϕ Top 2-1"ϕ Bottom	2-1"ϕ	22	—	3	8	"	
E1	1	12	18"	2-1"ϕ	2-⅞"ϕ	20	2	3	5	25"	
E2	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	"	
E3	1	12	18	2-1"ϕ	2-⅞"ϕ	18	3	2	4	"	
E4	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	25"	
E5	1	12	24	2-⅞"ϕ	2-⅜"ϕ	24	3	4	5	16"	
E6	1	12	24	2-⅞"ϕ	2-⅞"ϕ	18	3	2	4	20	
E7	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	25"	
E8	1	12	18	2-⅞"ϕ	2-¾"ϕ	16	1	3	4	25"	
E9	1	12	18	2-¾"ϕ	2-¾"ϕ	16	—	3	5	25"	
E10	1	12	24	2-1"ϕ	2-⅞"ϕ	24	3	3	6	25"	
E11	1	12	24	2-⅞"ϕ	2-¾"ϕ	22	3	3	5	16"	
E12	1	12	24	2-⅞"ϕ	2-⅞"ϕ	18	3	2	4	20"	
EL8	1	8	42	2-¾"ϕ Top 2-1"ϕ Bottom	2-1"ϕ	22	—	3	8	None	
EL1	1	8	12	2-½"ϕ	1-½"ϕ	None				None	
EL2	1	8"	42"	2-½"ϕ Top 2-1"ϕ Bottom	2-1"ϕ	22	-	3	8	"	
EL4	1	8	42	2-½"ϕ Top 2-1"ϕ Bot.	2-1"ϕ	22	-	3	8	"	
EL5	1	8	12	3-¾"ϕ in Top 4-¾"ϕ in Bottom	None	10			5	"	
EL6	1	8	12	2-½"ϕ	1-½"ϕ	None				"	
EL7	1	8	12	3-¾"ϕ in Top 4-¾"ϕ in Bottom	None	10			5	"	
EL8	1	8	42	2-½"ϕ Top 2-1"ϕ R.T.	2-1"ϕ	22		3	8	"	
EL9	1	8	12	2-½"ϕ	1-½"ϕ	None				"	
EL10	1	8	42	2-½"ϕ Top 2-1"ϕ Bot.	2-1"ϕ	22		3	8	"	
RL10	1	8	42	2-¾"ϕ Top 2-1"ϕ Bottom	2-1"ϕ	22	-	3	8	"	
E01	1	12"	18"	2-1"ϕ	2-⅞"ϕ	20	2	3	5	25"	
E02	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	"	
E03	1	12	18	2-1"ϕ	2-⅞"ϕ	18	3	2	4	"	
E04	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	"	
E05	1	12	24	2-1"ϕ	2-1"ϕ	24	3	4	5	25"	
E06	1	12	24	2-⅞"ϕ	2-⅞"ϕ	16	1	3	4	18"	
E07	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	25"	
E08	1	12	18	2-⅞"ϕ	2-¾"ϕ	16	1	3	4	"	
E09	1	12	18	2-⅞"ϕ	2-⅞"ϕ	18	3	2	4	18"	
E12	1	12	42	2-⅞"ϕ	2-⅞"ϕ	22	—	-	11	None	
EL2	1	12	12	2-⅝"ϕ	2-⅝"ϕ	None					
EL3	1	12	12	2-⅝"ϕ	2-⅝"ϕ	None					
EL4	1	12	12	2-⅝"ϕ	2-⅝"ϕ	None					
"B2-B3"	1	18	15	4-½"ϕ	None	"					
B4	1	IN WALL		4-½"ϕ	None	"					
103	1	12	18	2-⅞"ϕ	2-⅞"ϕ	16	2	2	4	25"	
104	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	25"	
105	1	12	22	2-1"ϕ	2-1"ϕ	24	3	4	5	25	
106	1	12	18	2-⅞"ϕ	2-⅞"ϕ	14		3	4	25	
109	1	12	18	2-⅞"ϕ	2-⅞"ϕ	22	3	4	4	24	
112	1	12	10	2-½"ϕ	2-½"ϕ	None					
113	1	12	16	2-1"ϕ	1-1"ϕ 1-⅞"ϕ	22	3	4	4	34	
114	1	12	58	2-½"ϕ	2-½"ϕ	None					
115	1	12	58	2-½"ϕ	2-½"ϕ	"					
116	1	12	58	2-½"ϕ	2-½"ϕ	"					
117	1	12	58	2-½"ϕ	2-½"ϕ	"					
118	1	12	12	2-½"ϕ	2-½"ϕ	"					
119	1	12	12	2-¾"ϕ	2-¾"ϕ	None					
125	1	12	10	3-½"ϕ	None	"					
101	1	12	20	2-⅞"ϕ	1-⅞"ϕ 1-¾"ϕ	22	3	4	4	24"	
102	1	12	24	2-⅞"ϕ	1-⅞"ϕ 1-¾"ϕ	24	3	6	4	20"	
107	1	12"	24	2-⅞"ϕ	1-⅞"ϕ 1-¾"ϕ	24	3	5	4	20"	
108	1	12	20	2-⅞"ϕ	1-⅞"ϕ 1-¾"ϕ	22	3	4	4	24"	
113½	1	12	16	2-1"ϕ	1-1"ϕ 1-¾"ϕ	22	3	4	4	30"	

STEEL BEAMS & LINTELS

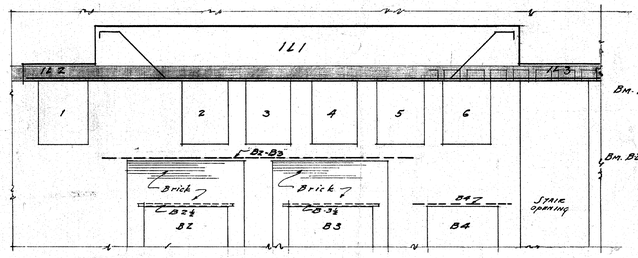
BEAM	No	STEEL	
EL2	1	[illegible]	
EL3	1	2-3½"x3½"x⅝"Ls	
EL4	1	[illegible]	
EL5	1	[illegible]	
R13	1	1-8"I @ 18.4# Rest on top of slab.	
	1	1-12"I @ 31.8#	BOLT 1-¾"ϕ R15 AS INDICATED
E15	2	2-3½"x3½"x⅜"Ls	
E16	1	4-7"I_3 @ 15.3#	STD. SEPARATORS 4'3" o.c.
E18	1	4-7"I_3 @ 15.3#	STD. SEPARATORS 4'3" o.c.
E20	1	1-10"I @ 25.4#	
EL3	1	3-3½"x3½"x⅝"Ls	
216	1	4-7"I_3 @ 15.3#	STD. SEPARATORS 4'3" o.c.
218	1	4-7"I_3 @ 15.3#	STD. SEPARATORS 4'3" o.c.
220	1	1-12"I @ 31.8#	
120½	1	2-10"I @ 25.4#	
221	1	4-8"I_3 @ 18.4#	STD. SEPARATORS 4'3" o.c.
222	1	4-8"I_3 @ 18.4#	STD. SEPARATORS 4'3" o.c.
82½	1	1-10"I @ 25.4#	
83½	1	4-3½"x3½"x⅝"Ls.	
		4-3½"x3½"x⅝"Ls	
126	1	1-18"I @ 54.7#	
127	1	1-18"I @ 54.7#	



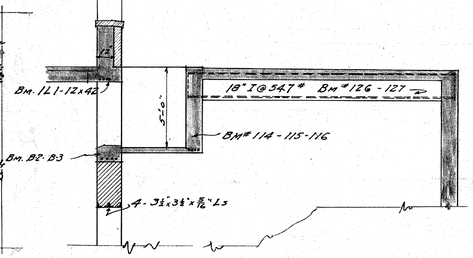
SECTION



PLAN OF BASEMENT STAIRS
SCALE: ¼"=1'-0" Not to scale see Archit Plans.

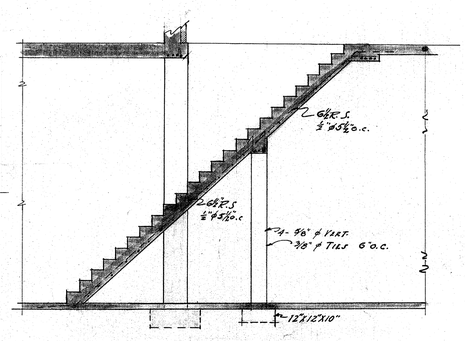


PART ELEVATION



PART SECTION

DETAILS OF REINFORCING BOILER ROOM WALL.
SCALE: ¾"=1'-0"



SECTION THRU REAR STAIRS IN BOILER ROOM
SCALE: ¾"=1'-0"

COLUMN & FOOTING SCHEDULE

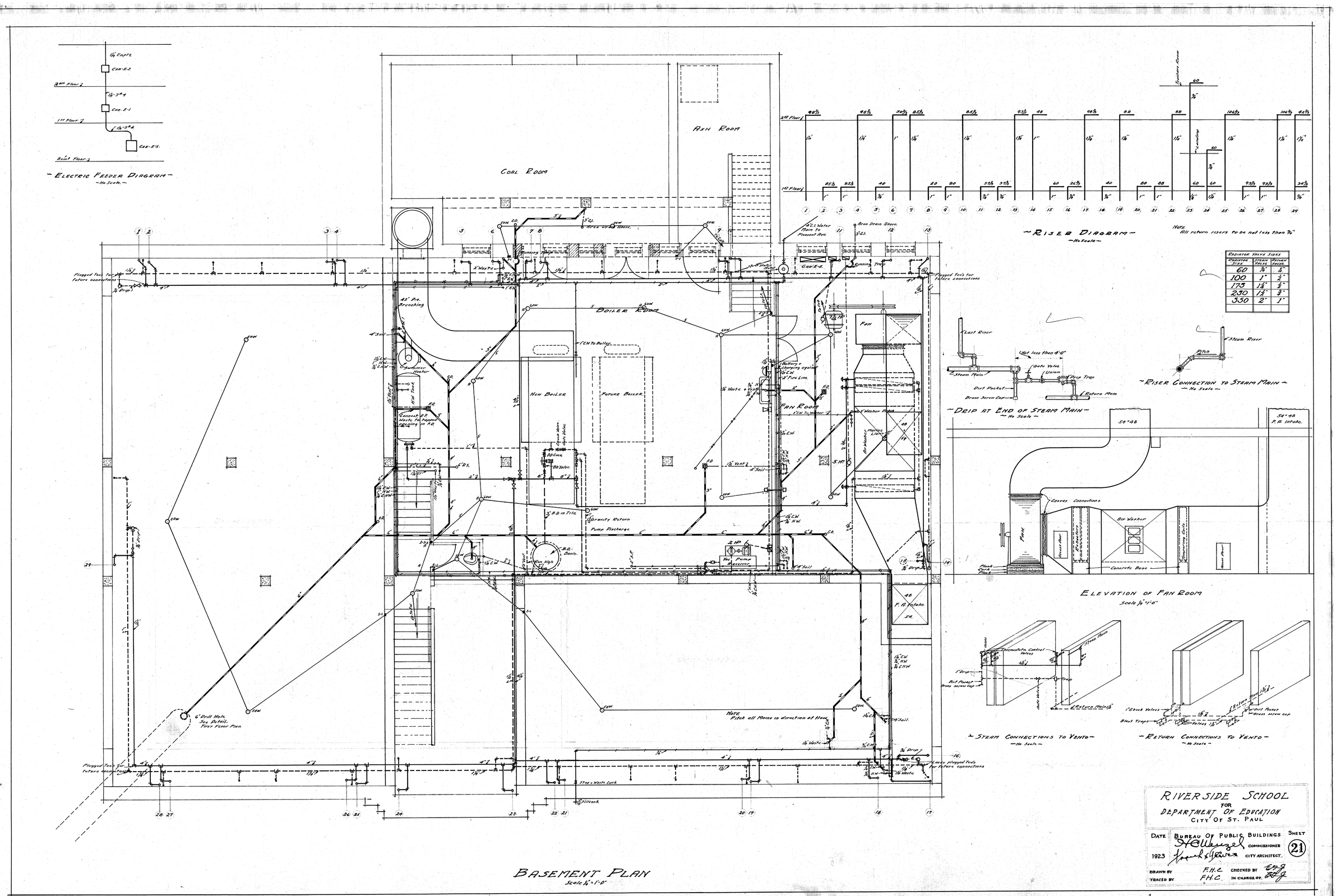
	COLUMN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	CHIMNEY
Ambulatory	SIZE	12"x12"	12"x12"	12"x12"	12"x12"	12x12"	12x12"	12"x12"	12"x12"	12"x12	12"x12"	12"x12"	12x12"	12"x12"	12"x12"				
	CORE	9"x9"sq.	9"x9"sq.	9"x9"sq.	9" Dia.	9" Dia	9" Dia	9" Dia	9"x9"sq.	9"x9"sq.	9"x 9"sq.	9"x 9"sq.	9" Dia	9" Dia	9" Dia	None	None	None	
	VERTICAL RODS	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅝"ϕ	4-⅝"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ				
	SPIRALS			1 ¾	1·5 ¾	1·5 ¾	1 ¾						1·5 ¾	1·5 ¾	1 ¾				
	TIES	⅜ϕ 6"o.c.	⅜ϕ-6"o.c.	⅜ϕ-6"o.c.					⅜ϕ-6"o.c.	⅜ϕ-6"o.c.	⅜ϕ·6"o.c.								
Ambulatory 2nd Floor	SIZE	12"x12"	12"x12"	12"x12"	13"x13"	12"x12"	13"x13"	13"x13"	12"x12"	12"x12"	12"x 12"	12"x12"	14"x14"	14"x14"	13"x13"				
	CORE	9" Dia	9" Dia	9" Dia	10" Dia	9" Dia	10" Dia	10" Dia	9" Dia	9" Dia	9" Dia	9" Dia.	11" Dia	11" Dia	10 Dia	None	None	None	
	VERTICAL RODS	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	5-⅞"ϕ	4-⅞"ϕ	4-1⅛"ϕ	5-1"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	4-⅞"ϕ	5-⅞"ϕ	6-⅞"ϕ	4-⅞"ϕ				
	SPIRALS	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾				
	TIES																		
Ambulatory 1st Floor	SIZE	14"x14"	14"x14"	14x14	15x15	14"x14"	14"x14"	14x14	14"x14"	14"x14	13x13	13x13	14x14	14x14	13"x13"	12"x12"	12"x12"	12"x12"	
	CORE	11" Dia	11" Dia	11" Dia	12" Dia	11" Dia	11" Dia	11" Dia	11" Dia	11" Dia	10" Dia	10" Dia.	11" Dia	11" Dia	10" Dia.	9"x9	9"x9"	9"x9"	
	VERTICAL RODS	4-⅞"ϕ	4-⅞"ϕ	6-⅞"ϕ	4-1⅛"ϕ	4-1⅛"ϕ	4-1⅛"ϕ	5-1"ϕ	4-1"ϕ	4-1"ϕ	4-⅝"ϕ	4-⅜"6	5-⅞"ϕ	6-⅞"ϕ	5-1"ϕ	4-⅝"ϕ	4-⅝"ϕ	4-⅝"ϕ	
	SPIRALS	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1 ¾	1·5 ¾	1·5 ¾	1·5 ¾	1·5 ¾				
	TIES															⅜-6"o.c.	⅜ϕ 6"ac.	⅜ϕ 6"o.c.	
FOOTINGS	TOP TIER	2'8"x2'8"x9"	2'8"x2'8"x9"	2'8"x2'8"x8"	3'8"x3'8"x12"	3'8"x3'8"x12"	3'8"x3'8"x12"	2'10"x2'10"x 9"	2'8"x2'8"x9"	2'8"x2'8"x 9"	None	None	2'10"x2'10"x9	2'10"x2'10"x9"	2'8"x2'8"x8"	None	None	None	None
	BOTTOM TIER	6'4"x6'4"x14"	6'4"x6'4"x14"	6'3"x6'3"x14"	6'10"x6'10"x14"	15'x15'x 15"	7'4"x7'4"x15"	6'6"x6'6"x14	6'6"x6'6"x14"	6'6"x6'6"x 16	5'9"x5'9"x12"	5'6"x5'6"x 15"	6'3"x6'3"x 14"	6'5"x6'5"x 14"	5'10"x5'10"x 12"	4'9"x4'9"x 13"	3'9"x3'9"x 12"	2'10"x2'10"x8"	9'-0"x 9'6"x 2'-0"
	STEEL	28-⅛"ϕ 6'-1"long	28-⅛"ϕ 6'-1"	28-½"ϕ 6'-10"	32-⅞"ϕ 6'-7"	36-⅞"ϕ. 7'-2"	36-⅞"ϕ. 7'-1"	28-⅞"ϕ 6'-3"	28-⅞"ϕ 6'3"	28-⅞"ϕ 6'3"	28-½"ϕ 5'-6"	22-⅞"ϕ 5'3"	28-⅞"ϕ 6'0	28-⅞"ϕ 6'-2"	28-⅞"ϕ 5'-7"	20-⅛"ϕ -4'-6"	12-⅝"ϕ 3'-6"	8-⅛"ϕ 1'9"	32-⅜"ϕ. 8'9" long.
	NOTE: FOOTING REINFORCING TO BE 2-WAY - PLACE ⅔ TOTAL NUMBER OF BARS EACH WAY. STUB RODS TO BE PLACED IN ALL FOOTINGS OF SAME NUMBER AND SIZE AS VERTICAL COLUMN REINFORCING.																		

Note
Contractor must refer to Archit's Plans for dimensions etc.

RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

DATE 192 — BUREAU OF PUBLIC BUILDINGS — H. W. Wruse, COMMISSIONER — Frank A. Ross, CITY ARCHITECT — SHEET 20

DRAWN BY E.W.O. — TRACED BY R.J.R. — CHECKED BY [illegible] — IN CHARGE OF [illegible]



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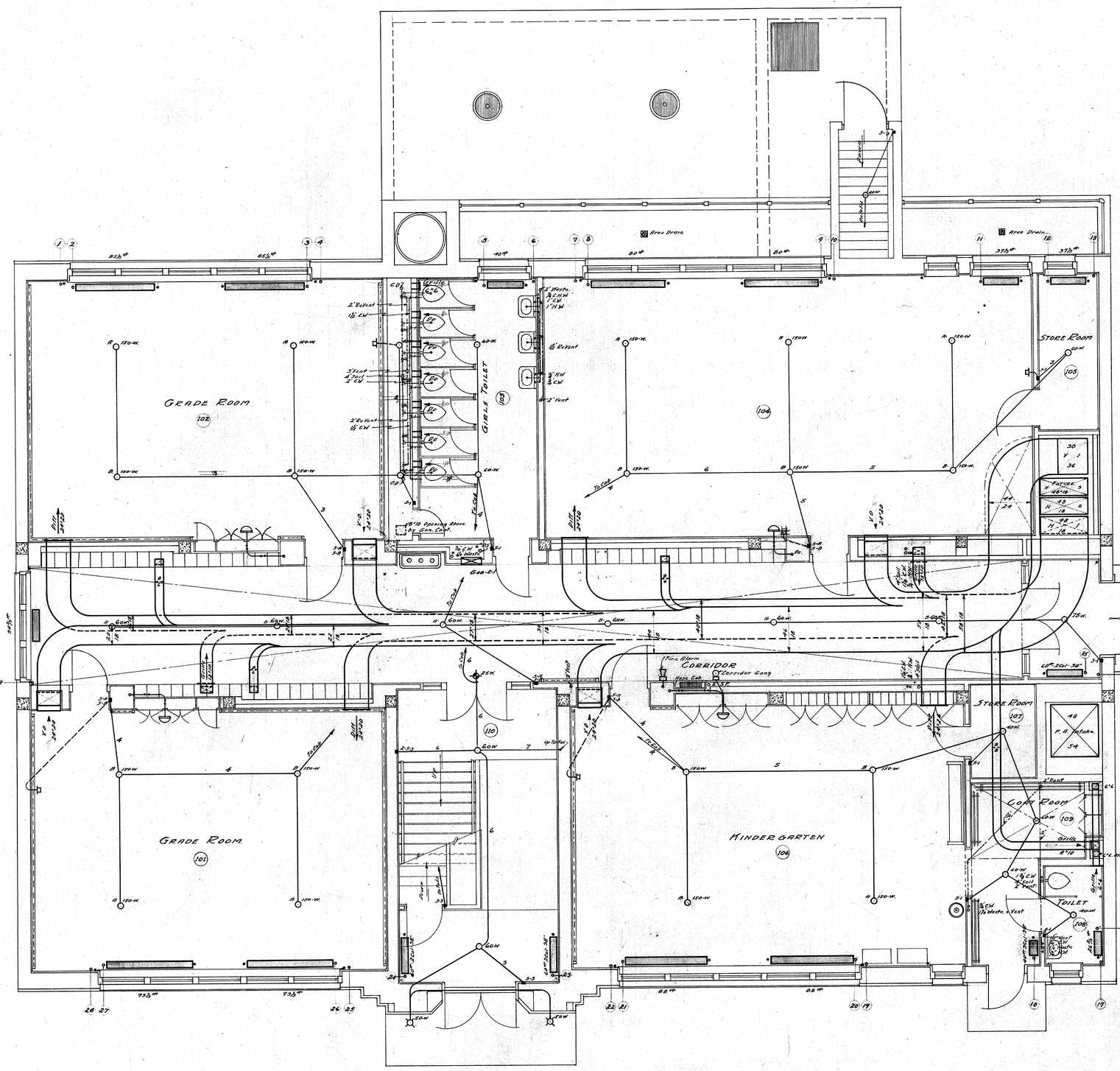
CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1923	H. C. Wenzel COMMISSIONER Joseph L. Weber CITY ARCHITECT	21
DRAWN BY F.H.C.	CHECKED BY E.J.J.	
TRACED BY F.H.C.	IN CHARGE OF E.J.J.	



FIRST FLOOR PLAN
Scale ¼"-1'-0"

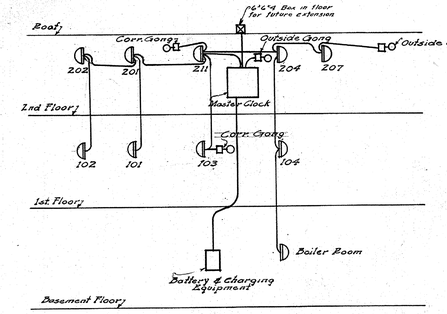
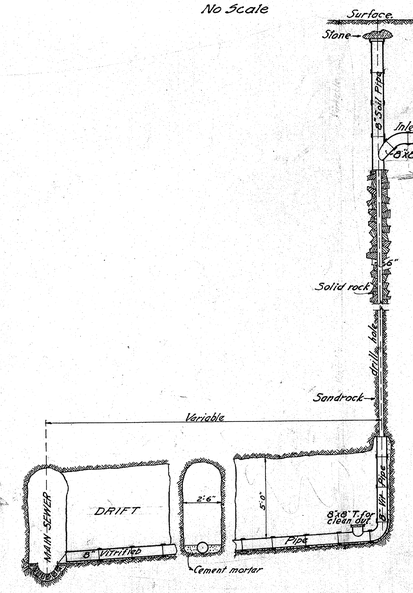
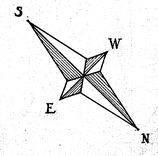


DIAGRAM OF CLOCK & PROGRAM SYSTEM
No Scale



DETAIL OF DRILL HOLE FOR SANDROCK SEWER
No Scale



RIVERSIDE SCHOOL
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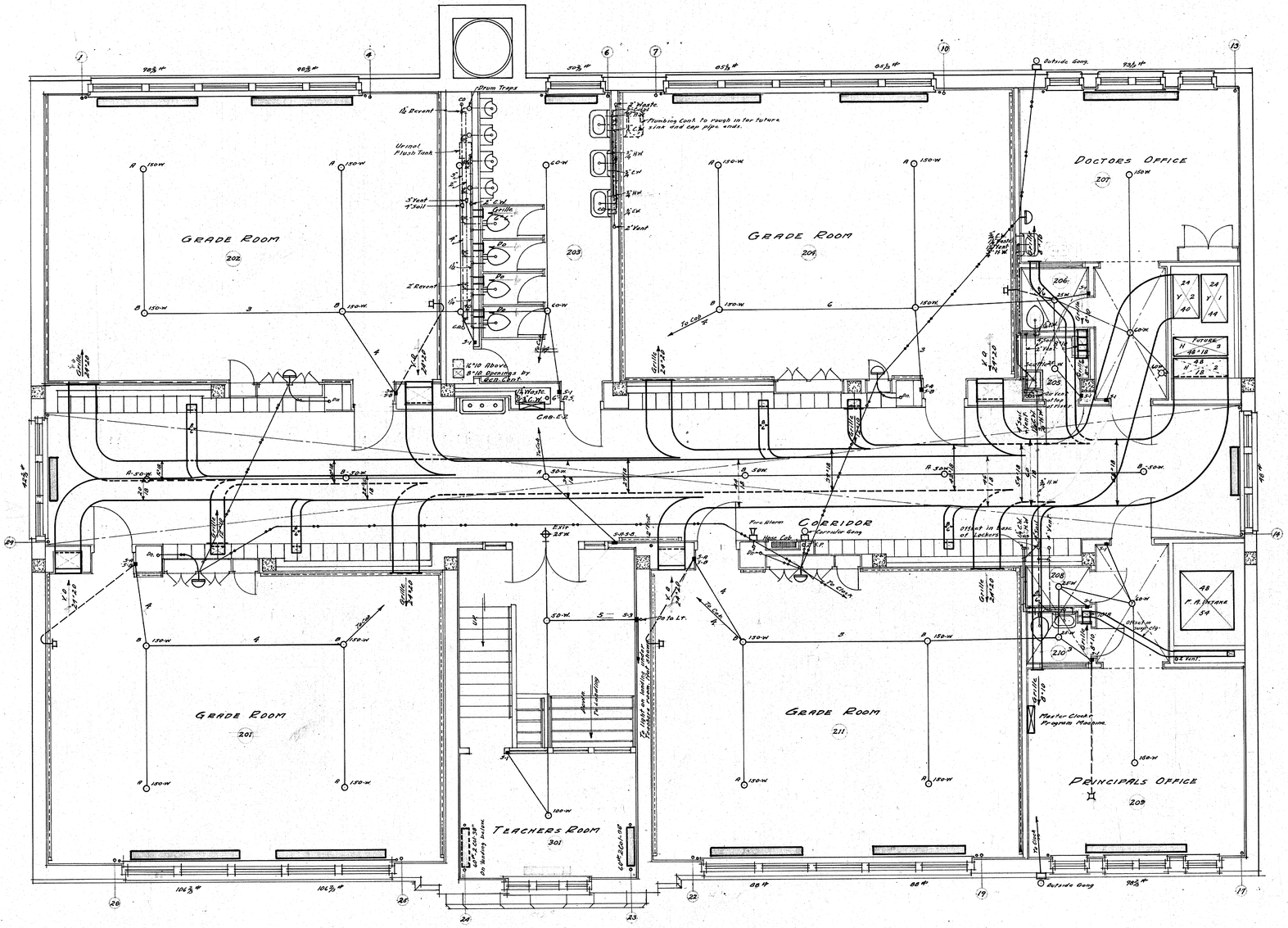
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL.

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1923	A. C. Krause COMMISSIONER	22
	Frank H. Ayers CITY ARCHITECT	
DRAWN BY	F.H.C.	CHECKED BY
TRACED BY	F.H.C.	IN CHARGE OF


GRADE ROOM
202
GRADE ROOM
204
DOCTORS OFFICE
207
GRADE ROOM
201
CORRIDOR
GRADE ROOM
211
PRINCIPALS OFFICE
209
TEACHERS ROOM
301
Outside Gang
Plumbing Cont. to rough in for future sink and cap pipe ends.
Urinal Flush Tank
3" Vent & 3" Soil
2 Recent
1½ Recent
Drum Traps
Master Clock Program Machine
Hose Cab.
Fire Alarm
To Clock
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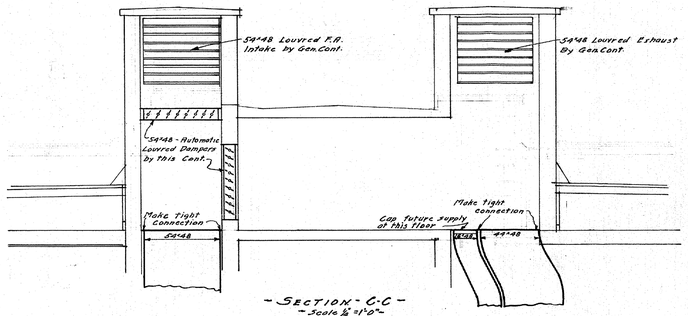
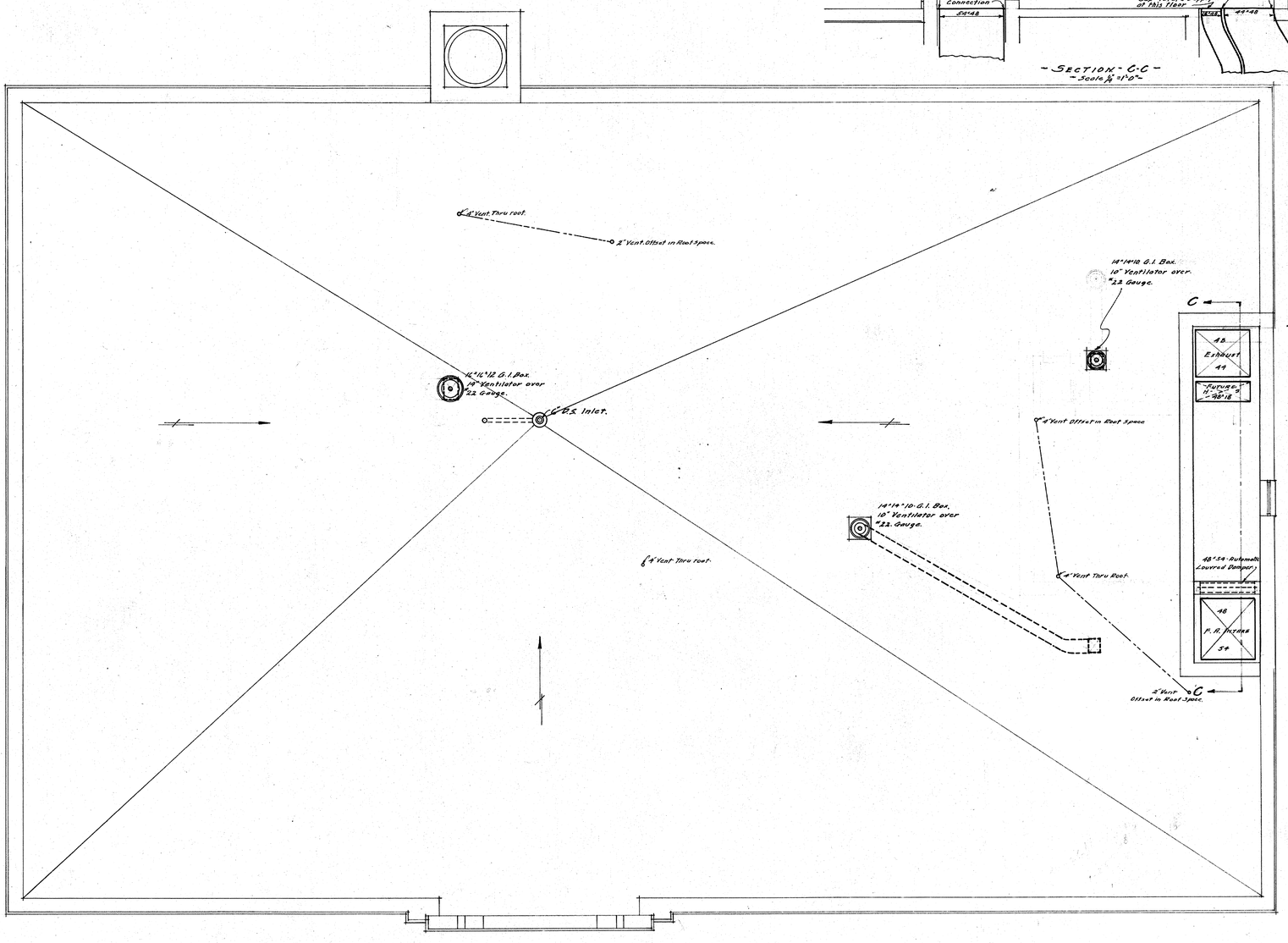
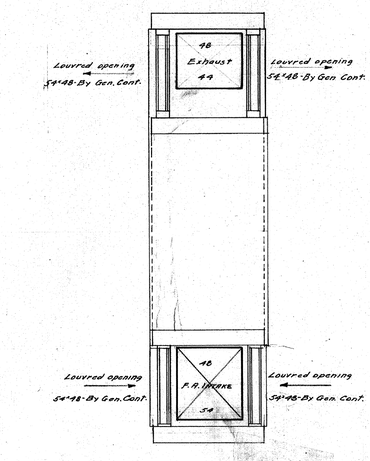


- SECTION - C-C -
- Scale ¼" = 1'0" -



- ROOF PLAN -
- Scale - ¼" = 1'-0" -



- PLAN OF DENT HOUSE -
- Scale ⅛" = 1'-0" -

RIVERSIDE SCHOOL
FOR
DEPARTMENT OF EDUCATION
CITY OF ST. PAUL

DATE	BUREAU OF PUBLIC BUILDINGS	SHEET
1923	COMMISSIONER / CITY ARCHITECT	24
DRAWN BY F.H.C	CHECKED BY	
TRACED BY F.H.C	IN CHARGE OF	